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==CATALOGUE==
OF
Photographic
. Appliances

MANUFACTURED BY

W. CYLAR
57, HIGH ST ASTON.
BIRMINGHAM

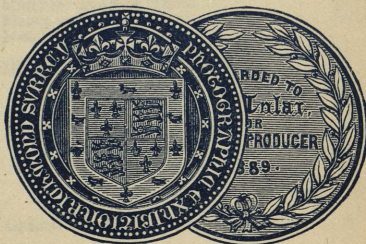
Specialities IN PHOTO APPARATUS

AND PROCURABLE FROM

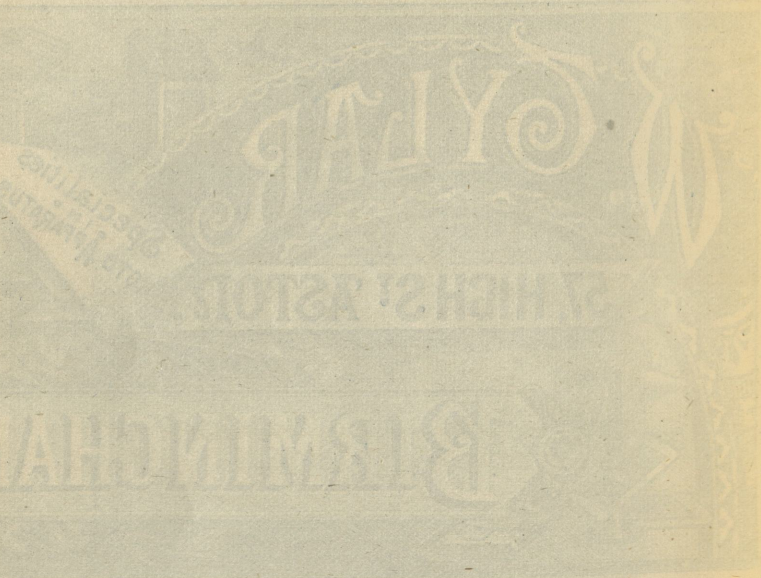
THE ABOVE ADDRESS,

OR FROM

*All Dealers throughout
the World*



—CATALOGUE—
 of
 Photographic
 Appliances



AND FURNISHES KNOWN
 THE ABOVE ADDRESS
 IS TWO
 All Dealers throughout
 the World

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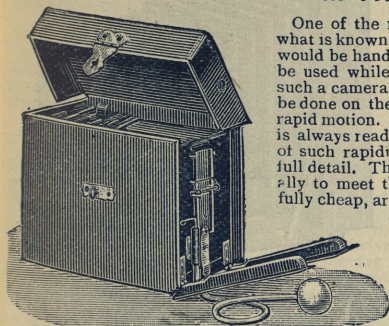
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CAMERAS AND APPARATUS.

BY W. TYLAR.

**Hand Camera.**

Cameras are fitted with dark slides, enabling six exposures to be made at a journey. The negatives are taken on ordinary $\frac{1}{4}$ plates.

No. 1. The Guinea Hand Camera, 3 double slides £1 1 0
Extras: Rapid Rectilinear Lenses, 21/-; Finder fitted, 2/6; Nickel-plated Fittings, 1/-; covered with real leather, 6/-; Dark Slides, 2/6 each; Pneumatic Release Shutter, extra 4/-.

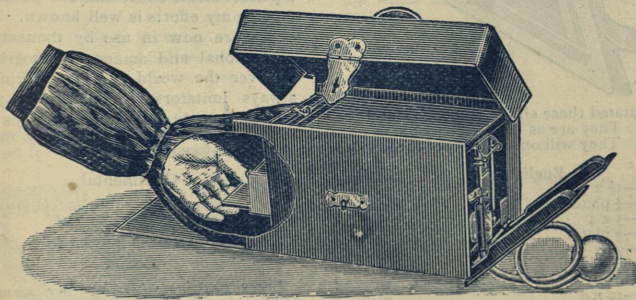
No. 2. The Stereoscopic Hand Camera, being two of above cameras combined, complete with Finder and Patent Diaphragm and Shutter £2 2 0

Extras: Rapid Rectilinear Lenses, pair 42/-; Real Leather Case, 7/6; Nickel-plated Fittings, 1/-.

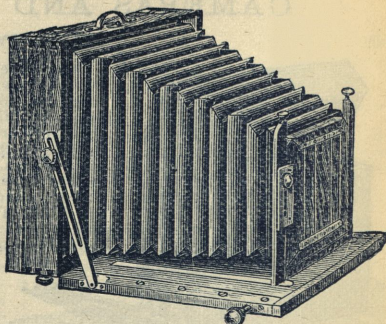
As several people prefer a **Magazine Hand Camera** instead of one fitted with dark slides, the camera figured below meets their requirements. The same lenses are used as for the ones above. The Magazine holds 12 plates, and is most simple in use, *nothing to get out of order, and no possibility of making a mistake in changing a plate.* It also has the further advantage that *extra cases of plates can be placed in the Magazine without the use of dark room.*

No. 1. Magazine Hand Camera, holding 12 plates, includes Finder £1 11 6
Extras: Pneumatic Release to Shutter, 4/-; extra Magazine, 5/-; Leather Case, 6/-; Nickel-plated Fittings, 1/-; Rapid Rectilinear Lens, 21/-.

No. 2. Stereoscopic Magazine Hand Camera, complete £3 3 0
Fitted with Rapid Rectilinear Lenses, extra 50/- per pair; if leather covered, 7/6 extra.

**Magazine Hand Camera.**

A good Camera should be *light and portable*, yet *rigid* when set up for work. It should have all *necessary*, but no *unnecessary*, movements; be capable of standing wear and tear; be so arranged as to pack in small space, and yet be quickly and easily set up for work. Not made for show but for use. Constructed of good, sound, well-seasoned wood, and capable of long extension for near objects or copying purposes. The camera figured here meets all these requirements. The prices quoted include *three* of Tylar's Patent Metal Double Dark Slides, or *one* Wood Slide, at the option of purchaser.



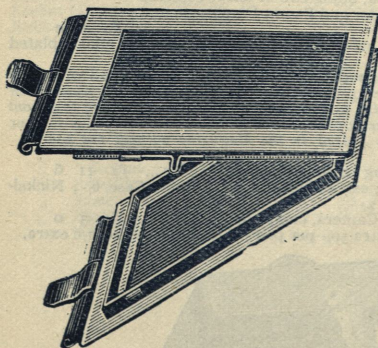
Camera and slides as above only—			
$\frac{1}{2}$ plate	£2	5	0
$\frac{3}{4}$ "	3	10	0
1 "	5	0	0

If with medium angle rectilinear lens and firm stand complete—

$\frac{1}{2}$ plate outfit	£3	10	0
$\frac{3}{4}$ "	5	0	0
1 "	8	0	0

Continental sizes quoted for specially.

METAL DARK SLIDES.



A most important item connected with the camera is the *dark slide*. It is essential that it should be *compact*, so as to take up as little room as possible; *light-tight* to prevent waste of plates; capable of standing a lot of use without risk of the joints giving way or grooves failing and allowing access of light to the plates; simple and not likely to get easily out of order. The *only* material capable of standing all this wear and tear is metal. This induced me to turn my attention to the elaboration of a perfect metal slide, and the success attending my efforts is well known. These slides are now in use by thousands of professional and amateur photographers all over the world. A good thing has always imitators, but although people

have imitated these slides, they still stand pre-eminent as the only reliable metal slides in the market. They are as easily fitted as wood, and metal slides can be fitted to any make of camera. They will out-last any six wood slides, and are one-fourth the price.

English.			
Set of 6— $3\frac{1}{4}$ x $3\frac{1}{4}$ ... ..	...	...	15/-
" 6— $\frac{1}{2}$ plates ... ..	...	...	15/-
" 6— $\frac{3}{4}$ x 4 ... ..	...	...	18/-
" 3— $\frac{1}{2}$ plates ... ..	...	...	12/6
" 3— $\frac{3}{4}$ x 5 ... ..	...	...	14/6
" 3— $\frac{1}{2}$ x $6\frac{1}{2}$ ... ..	...	...	18/-
" 3—9 x 7 ... ..	...	...	20/-
" 3—10 x 8 ... ..	...	...	22/6
" 3—12 x 10 ... ..	...	...	30/-

Continental.			
Set of 6—9 ^c x 12 ^c ... ..	...	...	18/-
" 3—13 x 18 ... ..	...	...	14/6
" 3—18 x 24 ... ..	...	...	20/-
Other sizes quoted for.			

Every genuine slide has my name and address stamped on each shutter.

In ordering metal slides it is necessary to send the back frame of the camera which holds the ordinary dark slides. No alteration is made to this unless wood slides are being abandoned, and only metal ones are to be used in future. The cost of adapting is as follows:—

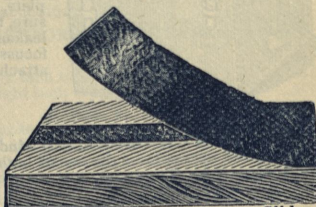
$\frac{1}{2}$ plate cameras	1/6 to 2/6	10 x 8 cameras	1/6
1/1 " "	2/6 to 3/6	12 x 10 " "	1/6
1/1 " "	4/6		

Many makers will supply new cameras fitted so that the screen will be in correct register with my metal slides, thus doing away with the necessity of carrying an adapting frame. If any difficulty occurs in getting cameras thus fitted, apply direct to me, and I will supply any maker's camera fitted for my metal slides.

To fit Tylar's Metal Slides.—The following instructions are given for the benefit of customers abroad, or others who cannot conveniently send their cameras to me to be fitted:—

To be a success, these slides must be properly fitted. My method of doing this is to double-velvet the two ends of frame that holds or carries the slides in the camera, thus: A narrow strip of velvet is glued down to the centre of framework, leaving a space each side on which to glue the overlapping broader piece of velvet. On no account allow the glue to get on the top of this narrow velvet, or the springiness is interfered with, and imperfect bedding is the result. This need only be done at the ends of frame. The rebates somewhat protect the slides, and one thickness of velvet glued flat on the wood is sufficient there. (See woodcut above.)

Many hundreds of testimonials have been received as to the efficiency of these Slides. I need only mention a few names:—Professor Chapman Jones, author of "Science and Practice of Photography"; Dr. Hill Norris, the first inventor of an efficient dry plate; the Rev. C. F. Lambert; Mr. Geo. Davison; Mr. Gambier Bolton, noted for his wonderful photographic studies of animals; Mr. Wm. Mountain, photographer to the Prince of Wales. Sir J. C. W. Herschell; Mr. G. Freeman, B.Sc., F.G.S., &c.; Mr. G. Knight, Newport, Isle of Wight, photographer to the Queen, noted for his instantaneous studies of trotting and leaping horses on 12 x 10 plates, and for the photograph of the Queen laughing; J. R. Codman, Esq., prize medallist, Zurich; Mr. F. C. Dillon, Durban, Natal; Mr. Sherbourne, Lahore, India; Mr. W. B. Kennan, the art photographer, Dublin; Col. O'Hara; and a host of equally well-known names.



Dark Slide Protectors are a necessary adjunct, as they keep the slides free from dust and grit. These should be of millboard, cloth-covered, lined with soft flannel, and legibly numbered. In ordering these, send one wood slide, or, if metal ones are in use, state the width of them only, as a correct fit is essential.

NO. 1 QUALITY.

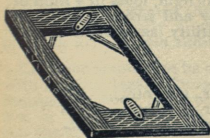
$\frac{1}{2}$ plate. Set of 6, Nos. 1 to 12	3/-
1 " " 3, " 1, " 6	2/6
1 " " 3, " 1, " 6	3/9

NO. 2 QUALITY.

$\frac{1}{2}$ plate. Set of 6, Nos. 1 to 12	5/-
1 " " 3, " 1, " 6	4/6
1 " " 3, " 1, " 6	6/6

Any size quoted for.

Quality No. 2 is a superior article, numbered on both sides, and has a writing tablet attached for adding notes as to exposure in pencil. It is easily cleaned with a wet rag.



INTERNAL CARRIERS enable their possessors to expose smaller plates in a slide intended for larger sizes. These should be well made and properly tongued and grooved together so as to prevent warping. Each of my carriers take two plates, back to back, with a dividing card between.

Carriers for

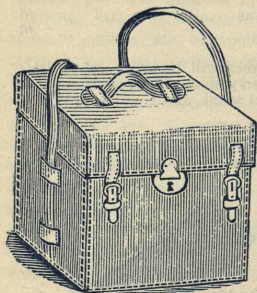
$\frac{1}{2}$ -plate slides	1/-	10 x 8 slides	2/-
1/1 " "	1/6	12 x 10 " "	2/6

Any size opening. Made to Continental measurements also.

Tylar's Specialities as above can be obtained of all respectable Dealers.

WATERPROOF CASES.

To protect the camera, &c., from injury and dust a case is needed, which can be either of leather or of thin waterproof material. It should have broad *w.bbing* shoulder straps for ease in carrying, and a spring lock to keep all safe.



Prices of **LEATHER CASES**, baize lined, best hide, black or brown.

$\frac{1}{4}$ -plate	...	...	12/6
$\frac{1}{2}$ "	...	...	20/-
1/1 "	...	...	30/-

WATERPROOF CANVAS.

$\frac{1}{4}$ -plate	...	...	5/-
$\frac{1}{2}$ "	...	...	5/6
1/1 "	...	...	10/-

Without a **FOCUSSING CLOTH** a camera is incomplete, as every camera should be covered up during exposure, to counteract the effects of any accidental damage or leakage of light caused by shrinkage or long wear. The focussing cloth should be large, and properly made to attach to the camera, as it is then more comfortable to use.

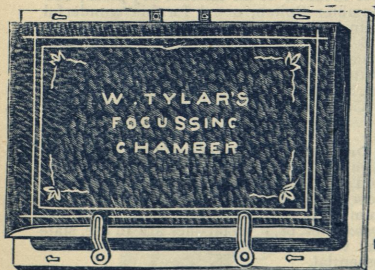
Cost of mackintosh cloth.

36 x 40	...	4/-
36 x 70	...	7/-

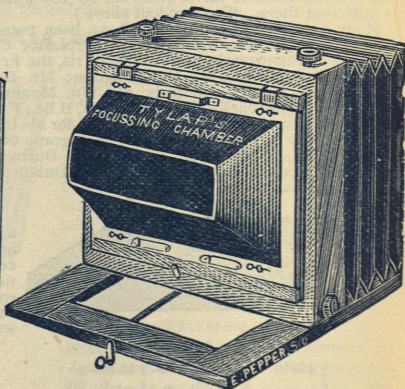
Velvet cloth, lined.

36 x 30	...	5/-
36 x 60	...	10/-

FOCUSSING CHAMBER.—In windy weather, however, the focussing cloth is a great nuisance, and necessitates the use of both hands, and occasionally the teeth, to hold it while focussing a view. To remedy this state of things I invented the focussing chamber as here



Closed.



figured. This is attached to the camera back by means of four screws, and can either be used as a fixture, or is removable at will. On releasing the turn button it springs automatically into position and is ready for use, leaving both hands free and defying the strongest wind. Both eyes can be used for focussing. It has already found great favour, and as its advantages become more known it will be better appreciated. If the camera has no tailboard, this apparatus protects the ground glass perfectly. It is light, folds in $\frac{1}{4}$ inch of space, and the half-plate chamber weighs only $3\frac{1}{2}$ oz. It is neatly and strongly made in Morocco leather, with plated fittings, and greatly adds to the utility as well as to the appearance of the camera.

Prices of focussing chambers—

English— $\frac{1}{4}$ plate	...	...	...	3/6
$\frac{1}{2}$ "	...	...	...	5/6
1 "	...	...	...	7/6

Continental—9 ctr. x 12 ctr....	4/-
13 ctr. x 18 ctr....	6/6
18 ctr. x 24 ctr....	9/-

Other sizes quoted for on application.

Tylar's Specialities as above can be obtained of all respectable Dealers.

THE FOCUSsing SCREEN should be of the very finest quality procurable, and evenly ground all over the surface. I supply a specially smoothed glass at—
 $\frac{1}{4}$ -plate, plain, 3d. $\frac{1}{2}$ -plate, plain, 6d. $\frac{1}{1}$ -plate, plain, 9d.
 Or with microscopic cover glass attached to centre of the plate—
 $\frac{1}{4}$ -plate, 5d. $\frac{1}{2}$ -plate, 8d. $\frac{1}{1}$ -plate 1/-.
 Any sizes, English or Continental, quoted for.

THE TRIPOD STAND is one of the most important factors to success, and yet many cameras are sent out with a shaky stand that a breath of wind would cause to quiver like a reed. A good stand should be free from side shake when opened out for use; to test this, place the hand on the top of the stand and give it a twisting motion; if there is then no shake the stand should be passed as good. It should have adjustable legs *that won't stick and refuse to slide if they happen to get wet*, be readily set up or taken down, and the legs capable of being firmly locked to the top. The only stand I can find having all the above qualities is J. ASHFORD'S patented one. It is, without doubt, the very best stand in the market. To some the price may seem a little high, but to find certain that your work runs no risk of being blurred by the movement of your stand is a great comfort.

PRICES OF ASHFORD'S FIVE FEET STANDS.

FIG. 1.			
Three fold, with six inch top	...	...	25/-
„ with eight inch top	...	...	30/-
FIG. 2.			
Two-fold, with four-inch top	...	...	18/6
„ with six inch top	...	...	21/-
„ with eight inch top	...	...	25/-
Perfectly rigid. For cyclists, etc., invaluable.			
If in WATERPROOF CASE, 5/- each extra.			

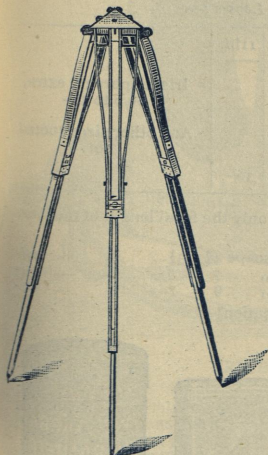


FIG. 1.

Those who already have stands that are not so steady as they might wish had better use **Lewis & Co.'s Adjustable Stand Holder**. This gives extra steadiness and prevents the legs slipping outwards. It is so made as to be easily attached to any stand. Price 4/- each. Fig. 2.

THE STAND FOR CYCLING.

Those who need a Stand packing in still less compass for cycling are recommended to have the **Cyclists' Stand** (fig. 3), which weighs only 2 lbs., and is really a good, rigid article. Its price is 21/-; if with sliding legs, 25/-

Cheaper stands can be supplied, of polished teak with folding legs. Though cheap, they are nevertheless reliable. No. 1, to suit $\frac{1}{4}$ -plate cameras, 7/6. No. 2, for $\frac{1}{2}$ -plates, 10/-; No. 3, for $\frac{1}{1}$ -plates, at 15/- each.

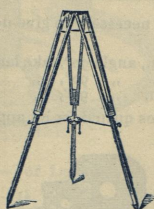


FIG. 2.

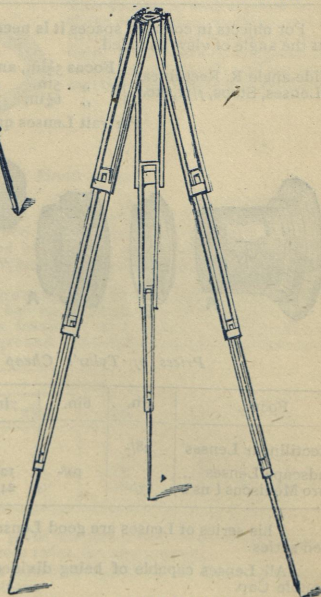


FIG. 3.—CYCLISTS' STAND.

LENSES.

We now come to the most important part or the outfit, and while advising the purchaser to get the best lens he can afford, it should not be lost sight of that very good work is to be done with moderate-priced lenses, though generally at the expense of *rapidity*. The articles quoted below will be found of good quality. The guaranteed series are of best *London make*, and of such curves as to give the finest possible results. Each lens is sent out in a strong, but light, *leather case, velvet lined*. Those lenses that can be divided and used singly are fitted with a special *double cap* of my devising, one side fitting the *lens hood*, and the other side fitting the *lens tube after the hood has been removed*; a little matter, truly, but one that means extra comfort in working. *All lens caps are attached to the lens*, so that there is no risk of losing the cap or leaving it behind. Where Waterhouse diaphragms are supplied they are *sent out pivotted together*, and the lenses have the *standard Whitworth flanges*. The focus of each lens is given, so that in selecting a lens choose one longer in focus than the longest side of the plate to be covered by it.

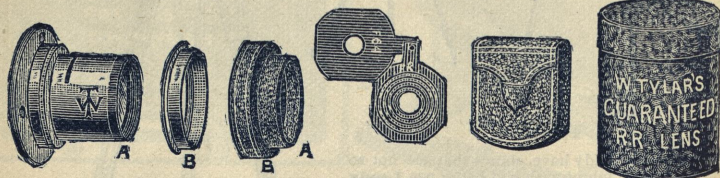
Prices of Tylar's Guaranteed Series of Lenses :—

Back focus.	5in.	6in.	8in.	9in.	10in.	11in.	
Rapid Rectilinear Lenses, Stops, f/8, etc.	44/-		55/-	70/-	84/-		Iris diaphragm extra, 10/6 to 20/-
Extra Rapid R. Rectilinear Lenses, f/6, etc.	60/-		90/-		120/-		Any other sizes quoted for.
Single Instantaneous Lenses, Stops, f/8, etc.		17/-		24/-		30/-	

For objects in confined spaces it is necessary to give not only the focal length of the lens, but the angle of view included.

Wide-angle R. Rectilinear Lenses, Stops, f/11, etc.	Focus $3\frac{1}{2}$ in., angle 90° , take landscape $4\frac{1}{2} \times 3\frac{1}{2}$...	...	...	44/-
	" 5 in. " 90° , " " 7 x 5...	...	...	55/-
	" $6\frac{1}{2}$ in. " 90° , " " 9 x 7...	...	...	84/-

Portrait Lenses quoted for on application.



Prices of Tylar's Cheap Series of French-made Lenses.

Focus.	5in.	6in.	7in.	8in.	9in.	10in.	
R Rectilinear Lenses	28/-			32/-		60/-	Iris Diaphragms, 10/6 to 20/- extra.
Landscape Lenses ...		10/-	12/-	14/-	15/-		Other sizes quoted for
Achro Meniscus Lenses	17/-		24/-			28/-	

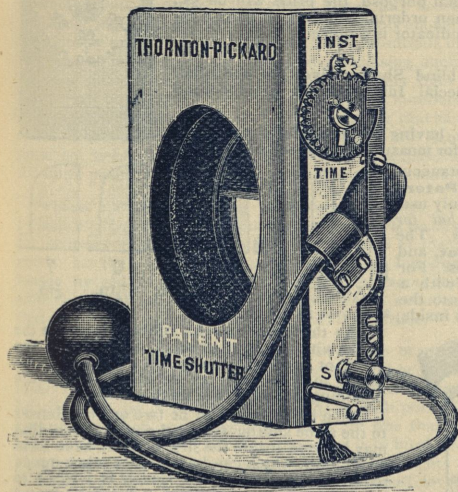
his series of Lenses are good Lenses, but work at smaller aperture than the guaranteed series.

All Lenses capable of being divided and used singly are fitted with Tylar's Patent Double Cap.

Tylar's Specialities as above can be obtained of all respectable Dealers.

Yellow Glass Lens Caps, to fit in front of the lens for photographing clouds, are a decided improvement. In ordering send on the lens hood, as these screens are so made that they do not interfere with the use of lens cap or shutter.

PRICES— $\frac{1}{4}$ -plate, 1s. 6d.; $\frac{1}{2}$ -plate, 2s.; $\frac{3}{4}$ -plate, 3s.



THE THORNTON-PICKARD TIME SHUTTER

In these days of rapid plates, **SHUTTERS** are a necessity, but the selection of a shutter is a thing which requires a little judgment. I therefore describe a few shutters that have met with large patronage and are generally liked.

The shutter that at the present time is having the largest sale of any in the market is Thornton-Pickard's Time and Instantaneous Shutter, which is so arranged that one shutter can be used with many lenses by using *indiarubber* adapting bands. This shutter is entirely free from shake or jar when working, owing to the moving parts being so very light. It will work in any position, and does not go off accidentally, and there is *absolutely no vibration*.

PRICES—For Lens having Hood up to

Inches $1\frac{1}{2}$ 2 $2\frac{1}{2}$ $2\frac{3}{4}$ $2\frac{5}{8}$ 3 $3\frac{1}{2}$ 4 $4\frac{1}{2}$ 5 diameter.
For "Time" and "Instantaneous" 18/6 20/6 22/6 23/6 25/0 27/6 32/6 37/6 42/6 47/6
For "Instantaneous" only... 11/6 13/6 15/6 16/6 18/0 20/6 25/6 30/6 35/6 40/6

When ordering, please send exact size of Hood by touching same with a little ink or colour, and then pressing it upon a bit of paper. Wherever possible, we prefer to have the Hood itself to be fitted accurately.

For Thornton-Pickard, Stereoscopic, Foreground, and Extra-Rapid Shutters, see Descriptive Circular, which may be obtained post free on application to Wm. Tylar.

This Table shows the approximate speeds in fractions of a second of Thornton's Instantaneous, Time and Instantaneous and Foreground Time and Instantaneous Shutters.

Turns of Speed Knob.	Shutter					
	$1\frac{1}{2}$ in.	2 in.	$2\frac{1}{2}$ in.	3 in.	$3\frac{1}{2}$ in.	4 in.
0	$\frac{1}{15}$	$\frac{1}{15}$	$\frac{1}{12}$	$\frac{1}{10}$	$\frac{1}{10}$	$\frac{1}{7}$
5	$\frac{1}{45}$	$\frac{1}{40}$	$\frac{1}{35}$	$\frac{1}{30}$	$\frac{1}{25}$	$\frac{1}{20}$
Highest Speed	$\frac{1}{90}$	$\frac{1}{80}$	$\frac{1}{70}$	$\frac{1}{60}$	$\frac{1}{50}$	$\frac{1}{40}$

The Extra Rapid Time Double-blind Shutter gives one-and-a-half times above speeds, and the Special Instantaneous Double-blind Shutters twice the above speeds.

The above speeds are accurate, having been specially tested by an instrument constructed purposely for measuring the speed of shutters.

For those who would like to have the speeds marked on the shutter itself, we can now fit a

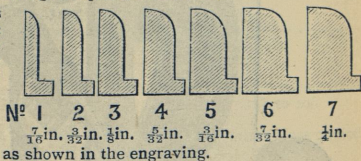
SPEED INDICATOR,

Price 3s. 6d., attached to new shutters, but if attached to any previously purchased and returned for that purpose, the price will be 5s., on account of the extra fitting. When ordering shutters, it should be distinctly stated on the order if the indicator is required.

The Extra Rapid Time Double-blind Shutter gives one-and-a-half times above speeds, and the Special Instantaneous Double-blind Shutters twice the above speeds.

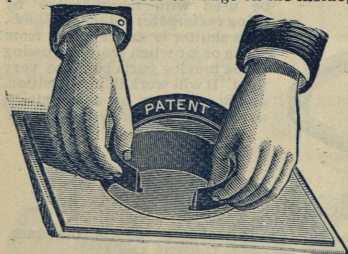
The above speeds are accurate, having been specially tested by an instrument constructed purposely for measuring the speed of shutters.

One great difficulty in fitting instantaneous shutters is overcome by the new **Patent Rubber Moulding**, which is not only useful for fitting shutters to lenses, but for adapting one shutter to several lenses. The price of the moulding is **8d. per foot**, and is made of the following thicknesses. For fitting, cut to the required length with a sharp knife or scissors, and spring into the aperture with the rib or flange on the inside,



Any thickness may be rubbed down on the back with a piece of sand paper when too thick, or in case of emergency a piece of cardboard may be used as packing behind the moulding when it is not thick enough.

When it is desired to fit two or more lenses to the same shutter a second piece of moulding may be used inside the first one, so as to form an adapter, which can be put in or taken out as required. If a very large shutter is wished to be used on a very small lens, a special adapter is needed. Cost from 1s. 6d. to 2s. 6d. each.



The **Window Shutter** is also a blind shutter, and, as a cheap shutter, is certainly the best all-round shutter made. It is interesting to me to know that Mr. Gambier Bolton, in his beautiful and clever animal studies, invariably uses it. The mechanism is of the utmost simplicity, and cannot be easily disordered. *Slow or fast exposures can be given at will, and there is no shake.* The foreground receives the longest exposure. The fact that 2,000 of these Shutters have been sold in about two years proves its popularity.

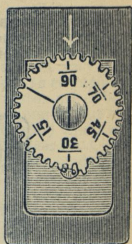
Prices of the Window Shutter—

No. 1,	2in. back	...	...	...	3/6
2	3in. "	...	...	...	6/-
3	4in. "	...	...	...	8/6

Sky Shades are essential in many cases to obtain greater brilliancy by protecting the lens from the full glare of the surrounding light. I therefore offer this season an improved Window Shutter with a sky shade attached.

Prices of Sky Shade Window Shutter—

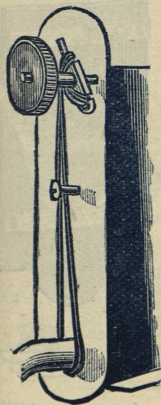
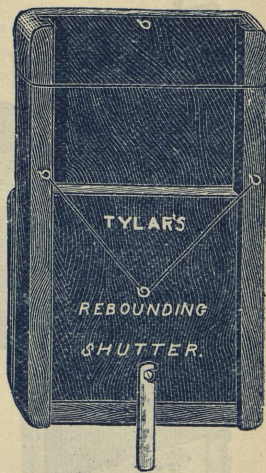
No. 1,	as sizes named above	...	...	4/6
2	"	...	...	7/6
3	"	...	...	10/-



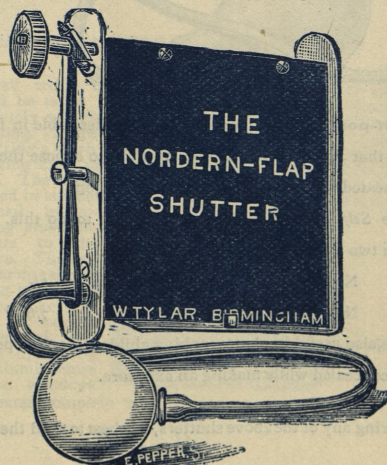
A still cheaper form of shutter is the **Rebounding Shutter**, so called because the slab which covers the lens moves up, strikes an elastic band, and rebounds back to its place. This shutter gives about six times more exposure to the foreground than to the sky, and cannot get out of order. The elastic band may break with long wear, but any draper's shop will supply enough for a penny to last years. Many worthless imitations of this are on the market, so beware of purchasing such. To be a success, the moving slab must be very light; there must be no possibility of warping. I send numbers of these to Australia and India, so that a shutter that can stand those climates will stand anything. No light must get behind the slab while waiting for exposure. All these points are attended to in shutters of my make.

Prices of Rebounding Shutters:— $\frac{1}{4}$ -plate, 1/6; $\frac{1}{2}$ -plate, 2/-; $\frac{3}{4}$ -plate, 3/- My introduction of **cork backs** for shutters gave a great impetus to the sale of these goods, as they enable the purchaser to fit his own lenses by aid of a penknife. *In future my name and address will be stamped on every shutter of my make, so that buyers can be certain they get the right article.*

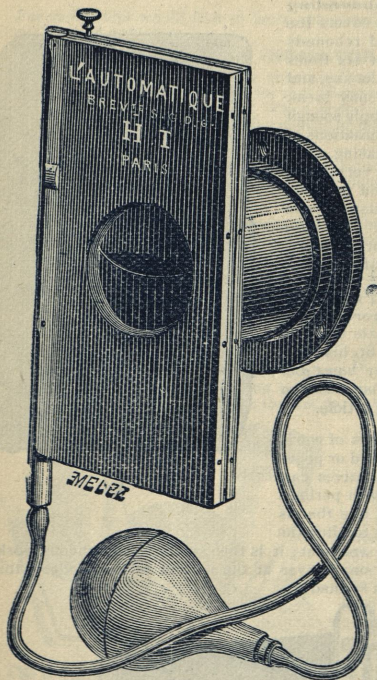
A **Flap Shutter** is useful for special classes of work, but it must be arranged to work either by hand or pneumatic release. Cloud effects in ordinary negatives can be obtained by a shutter of this type, with perhaps greater ease than any other form. I figure one that is easy to set and use. All that is needed is to hitch the elastic band over the hook, as shewn in the wood-cut; it is then set for instantaneous work. If hand exposures are required, turn the small lever at the bottom of the shutter, this releases the flap so that hand exposures can be made.



METHOD OF SETTING THE SHUTTER



Prices: Up to 12 in., 5/-; 2 in., 6/6; 3 in., 10/-.



The Guinea Automatic Self-setting Time and Instantaneous Shutter is a French invention, and is the *most novel*, the simplest, and most useful shutter you can purchase. It is *self-setting*, opens and closes from the centre, and is entirely free from vibration. Exposures can be given either in a fractional part of a second, or in minutes as desired. The shutter is thoroughly well made in every respect, and the price *One Guinea* for any size up to $\frac{1}{4}$ plate, with a charge of 1/- for a rubber ring patent adapter to securely attach it to smaller sized lenses where needed.

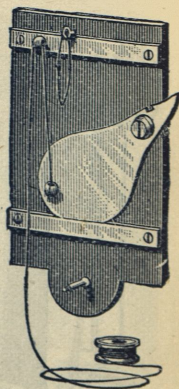
Self-portrait Shutter.—It is often desirable in family groups that the operator should be able to expose the plate while seated at a distance from the lens itself.

The *Self Portrait Shutter* enables you to do this. It is made in two sizes—

No. 1, will fit lenses up to inches, 5/-

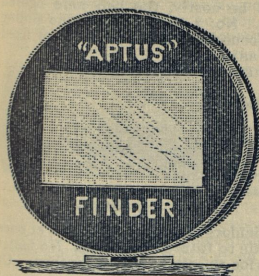
No. 2, " " " 3 " 7/6

is also useful in photographing children, as the operator can be concealed while making an exposure.



In ordering any of the above shutters, it is best to send the *lens hood*, and ensure an accurate fit.

Tylar's Specialities as above can be obtained of all respectable Dealers.

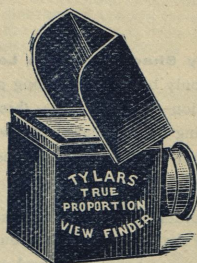


View-finder.—When a shutter is used, a *view-finder* is a necessity, so that the operator can make sure that what he requires on the picture will be there and in its proper position. Many forms have been issued, one of the most popular being the "*Aptus*" finder at 3s. 6d., which includes all necessary parts to fit the instrument to the camera. It is always in focus, even in bright sunlight, and it is immaterial at what distances the objects may be. Varying angles of view can be obtained by placing the eye at different distances from the finder

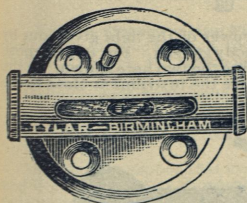
"True Proportion" View-finder.—View finder of the camera lucida pattern are very popular and deservedly so, but no maker has, as yet, issued one in which the lens of the finder bears a relative proportion to the focal length of the lens used. This is an oversight that I propose to remedy, and, therefore, issue these finders with lenses suitable for $\frac{1}{4}$, $\frac{1}{2}$, and $\frac{3}{4}$ sizes. It is only by this method that a properly proportioned picture in miniature can be obtained.

Prices of Tylar's "True Proportion" View-finder—

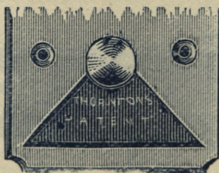
No. 1, 3/6; No. 2, 4/6; No. 3, 5/6.



CAMERA LEVELS.

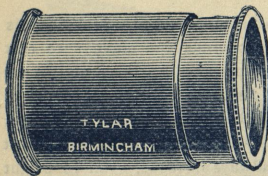


In all work, but in architectural work especially, care should be taken to plumb the camera so that the back is accurately vertical, or the objects will have the appearance of falling. There are several means of doing this, some preferring a spirit level such as the one here shown, which, by revolving on a pivot, enables the adjustment to be at once made. The cost of the *Revolving Spirit Level* is 2s. 6d., well finished in lacquered brass. The same purpose is also obtained by attaching *plumb indicators* to the camera. The triangular ones shown in the figure fits on the reversing back, and shows when the base-board is true. The long one fits on the side of that part of the camera frame which carries the reversing back, and which can at once be set perfectly upright by placing it so that the point of the plumb comes opposite the screw shown in the woodcut. These cost 1s. each, mounted on plates complete for screwing on the camera.



Tylar's Specialities as above can be obtained of all respectable Dealers

Focussing Glass.—Very few people can focuss sufficiently sharp without a *focussing glass*. These need not be costly, the two here figured answering every purpose. No. 1 has an adjustable sliding tube, allowing range for focussing. No. 2 is made of fixed

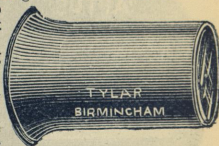


No. 1.

Prices of Tylar's focussing glasses—

No. 1, 1/6 each in lacquered brass, or nickel-plated 2/-.

No. 2—"Midget"—9d. each in lacquered brass, or nickel-plated 1/-.

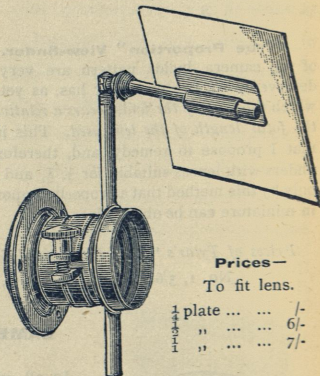


No. 2.

A Notebook should be always carried, so that the particulars of exposure can be at once dotted down. This is very important, as being a useful guide to future exposures. No better can be used than *Wheeler's Exposure Register Notebook*, price 1s. cloth, 1s. 6d. leather. Or with pencil holder attached 6d. extra.

Sky Shade to fit on Lens.—Many objects can only be taken by using a *sky shade* in conjunction with the lens; this enables effects of lighting to be secured that would be impossible without its aid. All pictures are improved by its use.

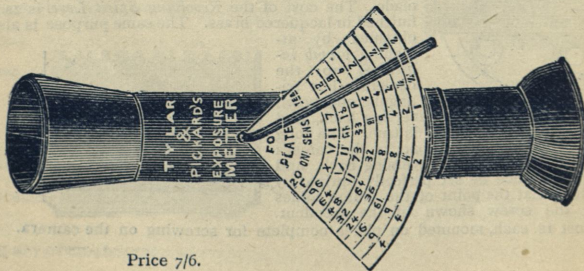
In ordering these it is necessary to cut a band of paper that will just meet round the body of the lens-mount behind the hood, and send it with the order.



Prices—
To fit lens.

1	plate ...	...	1/-
4	" ...	...	6/-
1	" ...	...	7/-

Actinometers.—Some mode of determining the actinic power of the light given out by different objects is desirable to enable the exposure to be correctly gauged. For this purpose exposure meters have been invented, the most popular forms being the two here shown. In the **Tylar-Pickard Exposure Meter** all that is needed is to place the instrument close to the

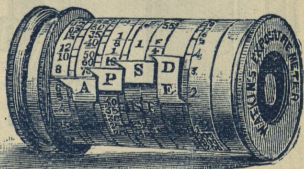


Price 7/6.

eye and point it to the object to be photographed, moving the lever across the scale plate. This lever actuates a valve in such a manner as to allow a varying flood of light to fall upon a lettered screen inside the tube of the instrument. As soon as the letters on this screen become indistinct the instrument is taken from the eye, and the exposure for any given stop will be at once seen on the right hand side of the lever by referring to the scale plate and reading the exposure shown thereon.

THE WATKINS EXPOSURE METER.

Another form is the ingenious one invented by Mr. Watkins, of Hereford, and is, perhaps, the most exact of all such instruments, and the only one that will give exposures for copying and enlarging. Anyone can easily master its details in half an hour; and will soon save its cost in plates. The only two factors the operator need trouble about is the length of time in seconds that it takes to discolour the sensitive paper supplied with it to a given fixed tint, and the colour of the objects to be photographed; everything else is worked out mathematically for you, the key to the exposure being the time in seconds it takes the paper to discolour to the standard tint as shown on the instrument. The exposure can then be determined at once, no matter what lens you are using, and without any calculation. All the calculating is done by the instrument itself. This costs 12/6, with sufficient sensitive paper for 200 exposures. Extra refills post free 7d., each refill giving 200 exposures.



Watkins's Exposure Notebook has been specially formulated for use in connection with the above instrument. It contains an host of useful information, and space for 300 entries of exposures. The price is 1/6.

TYLAR'S LIGHT-TIGHT BAGS FOR PACKING EXPOSED PLATES.

Packing exposed plates is a matter that has had but slight attention, and at the suggestion of several distinguished amateurs. I was induced to offer special envelopes for exposed plates. Two plates are placed face to face (preferably with a piece of Tylar's preservative fibre between the films), and enclosed in a yellow envelope. This is still further protected by enclosure in a perfectly-opaque black envelope. A bundle of these can then be bound together, and all risk of scratching films or spoiling by exposure to light is abolished. They are also useful to those who use *changing bags*, and require a ready means of transferring plates.

In boxes containing 12 yellow and 12 black bags to hold 24 plates— $\frac{1}{4}$ -plate, 1/-; $\frac{1}{2}$ -plate, 1/6; $\frac{3}{4}$ -plate, 2/- per box, with the necessary fibre sheets complete.

Tylar's Preservative Fibre Sheets for laying between negatives is a pure, unbleached vegetable substance, free from acids, or other deleterious substances usually found in ordinary papers, and which often cause the images on the film to fade in a short time.

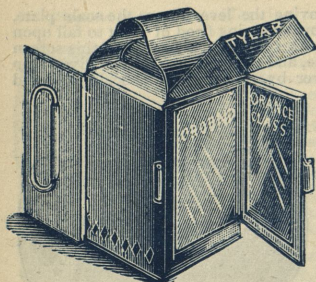
In boxes each containing several hundred sheets— $\frac{1}{4}$ -plate, 6d.; $\frac{1}{2}$ -plate, 1/-; $\frac{3}{4}$ -plate, 1/9.

TYLAR'S SPECIALITIES IN APPARATUS CONNECTED WITH THE DARK ROOM.

Always remember that every bottle in the dark room should be legibly labelled, therefore use *Wheeler's book of gummed labels*, price 6d. These are printed in two colours, so that poisonous substances can be easily discerned.

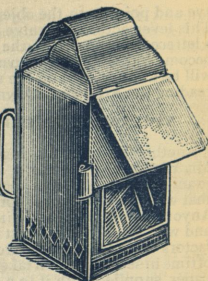
Apparatus for Developing, Washing and Drying Negatives.—The first thing, of course, we need is a light to work by, and where daylight is not available a lamp is a necessity. Many forms are in the market, but several are far from perfect. The essential point of a lamp for this purpose is a bountiful supply of safe light and perfect ventilation. The glasses should slide in grooves, so that in the event of breakage a new glass can at once be substituted. A pot metal glass, that is, one having the colouring matter all through its texture, and not only flashed on one surface, should be used, together with a diffusing screen, to render the light soft to the eyes; an opaque shade should be so arranged as to protect the eyes from the glare of coloured light. On these lines I have worked and have produced a lamp which, I think, effectually covers the ground.

Tylar's Specialities as above can be obtained of all respectable Dealers.



OPEN.

(Patent applied for.)



SHUT.

No. 1.

No. 2.

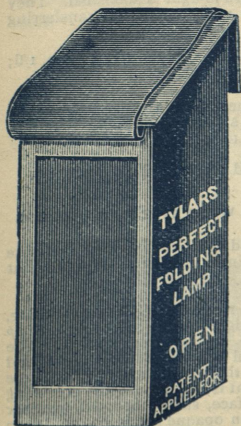
No. 3.

4/-

7/6

12/6

The Nos. 2 and 3 are *large lamps*, suitable for professional use or for such amateurs as prefer comfort to economy. The No. 3 lamp is larger and better made than the No. 2, and has a metal chimney at the top, not shown in the engraving. Also an extra groove to carry an extra coloured glass for working Isochromatic and other plates needing extra precautions. If fitted for gas, 1/- extra.



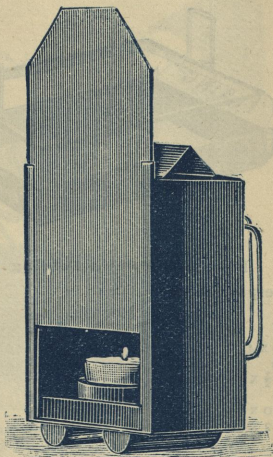
For tourists' use a lamp of portable form is a necessary item. This should fold flat, and in such a manner as to effectually protect the coloured windows from injury. **Tylar's Folding Lamps** are made on these lines. They are strong and well made, give a large volume of safe light, have a fixed yellow screen and a ruby curtain falling over it for extra safety during the first stages of development, perfect ventilation, a fireproof top, and arranged that no white light can escape. They are made in two sizes—No. 1, for night lights, 1/3; No. 2, 18in. high, for candle, 2/6. If with metal tray for holding the night lights or candles, extra—No. 1 6d.; No. 2, 9d. Night lights, in metal capsules, or dark-room lamps, 2/6 per dozen.



Cheap metal night-light lamps are sometimes preferred for changing plates away from home, so to suit all wants I offer a **Metal Night-light Lamp** at 1/-, strong, well made, with sliding glass front, and good ventilation

DEVELOPING APPARATUS.

We will now consider the matter of developing. This is often done in a slovenly, slipshod manner, many people using one dish for every operation. This is a great mistake, and a sure cause of failure. To help in this matter, I issued sets of trays marked in such a manner that there could be no possibility of using the wrong tray for the wrong solution, and so that the names could be plainly discerned in the dull light of the dark-room. These have been sold in large quantities all over the world, and give general satisfaction. They are made of compressed wood pulp, very lasting and durable. All trays up to 24 in. x 20 in. being pressed out of the solid sheet, there are no joints to give way.



PRICES OF TYLAR'S PATENT LETTERED PULP TRAYS.

Per set of four labelled "Developer"—"Fixing"—"Alum"—"Water."



English.		
$\frac{1}{4}$ plates—Set of four	...	3/6
5 x 4	...	4/-
5 x 5	...	5/-
7 x 5	...	6/6
10 x 8	...	8/-
10 x 10	...	12/-
12 x 10	...	15/-
15 x 12	...	20/-

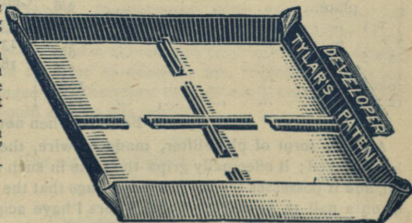
Continental.

Centimetres.		
9 x 12—Set of four	...	4/-
13 x 18	...	6/6
18 x 24	...	10/-

Any other size quoted for.

Labelled in any language.

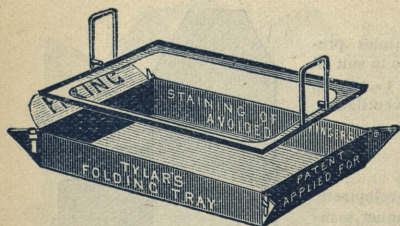
Another form of tray, made from the same material, is the **Tylar-Jackson Multiple Tray**, which is invaluable in cases of plates with similar exposures, as lantern slides and detective camera work, saving the operator a lot of time in developing. The fluid having free access to each compartment, no staining or uneven development can occur. Strongly made in Tylar's Compressed Pulp, with patent tag for name of solution used in tray. These trays are sent out marked with word, "Developer," "Ammonia Pyro," "Potash," "Ferrous Oxalate," "Hydroquinone," "Eikonogen," etc., as wished.



Prices or trays (to hold four).			
$3\frac{1}{2} \times 3\frac{1}{2}$ plates	...	each	2/-
$\frac{1}{4}$ -plate	...	"	2/6

Tylar's Specialities as above can be obtained of all respectable Dealers.

CAMERAS AND APPARATUS



FOLDING DEVELOPING TRAYS.

For tourists' use I designed a special tray that will fold flat when not in use, but can be set up for use at once by sliding four metal corner clips into position. These are made in Willesden waterproof paper, and will stand a lot of usage.

PRICES OF **Tylar's Folding Trays**, per set of four, each distinctly labelled for its respective chemical :—

English.					Continental.				
	plate...	...	...	...	Centimetres.				
$\frac{1}{4}$	5 x 4	"	...	...	1/0				
$\frac{1}{2}$	"	"	...	...	1/3				
$\frac{3}{4}$	"	"	...	...	1/6	9 x 12 plate	...	...	1/3
$1\frac{1}{4}$	5 x 5	"	...	...	2/0				
$1\frac{1}{2}$	"	"	...	...	2/6	13 x 18 "	...	...	2/0
$1\frac{3}{4}$	10 x 8	"	...	...	3/6				
2	12 x 10	"	...	...	4/6	18 x 24 "	...	...	3/6

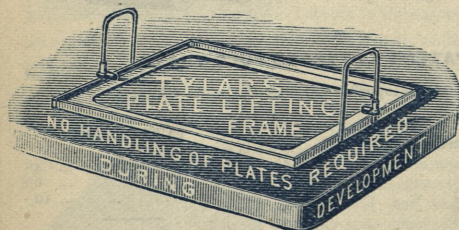


Plate-lifting Frames were introduced by me to enable the operator to perform all operations from developing to the final washing, to be accomplished without touching the plate or solution with the fingers.

The plates can be rocked, held up to the light to examine density, or turned over for examination of the back of the negative, without fear of plate being dropped.

The work is performed in half the time with the aid of these lifting

frames, and each lifter is silver-plated, so cannot deteriorate the solutions used.

"They are ingenious and practicable."—So says Captain ABNEY.

Tylar's Silver-plated Lifters

English.					Continental.				
Per set of six.	plate...	...	...	...	Centimetres.				
$\frac{1}{4}$	5 x 4	"	...	...	2/6	9 x 12 plate	...	...	3/6
$\frac{1}{2}$	"	"	...	...	3/6	13 x 18 "	...	...	6/0
$\frac{3}{4}$	"	"	...	...	5/0				
$1\frac{1}{4}$	5 x 5	"	...	...	6/0	18 x 24	...	...	10/0
$1\frac{1}{2}$	"	"	...	...	7/6				
$1\frac{3}{4}$	10 x 8	"	...	...	10/0				
2	12 x 10	"	...	...	12/0				

Other sizes made to order.

Fold flat when not in use.

Another form of plate-lifter, made of wire, the invention of Mr. Sloper, of Devizes, is here figured; it effectually grips the plate in such a manner that the film is not touched at all, and it possesses the further advantage that the plate can be hung on a tap to be washed, or on a nail to be dried. These lifters I have acquired the sole right to manufacture, and now offer them to the public. Each lifter is well made of brass wire, silver-plated

Tylar's Specialities as above can be obtained of all respectable Dealers.

PRICES of Sloper's Silver-plated Wire Lifters.

Set of six $\frac{1}{4}$ -plates	...	...	...	...	2/6
" $\frac{1}{2}$ "	...	...	...	...	5/-
" $\frac{1}{1}$ "	...	...	...	...	7/6

FIG. 1.

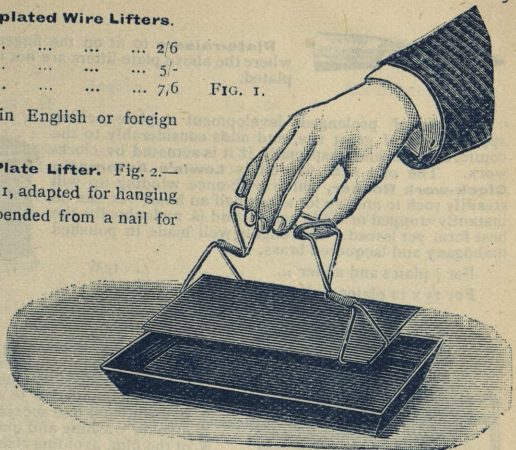
Other sizes quoted for in English or foreign measurements.

Sloper's Suspending Plate Lifter. Fig. 2.—

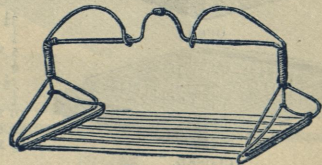
This is a modification of fig. 1, adapted for hanging to a tap for washing, or suspended from a nail for drying purposes.

PRICES.

$\frac{1}{4}$ -plate	...	...	each 9d.
$\frac{1}{2}$ "	...	...	1/-
$\frac{1}{1}$ "	...	...	1/6

**Developing Holder for Celluloid Films.**—

For celluloid films; a different arrangement is needed, as they must be held flat for development. This we manage to effectually do with the arrangement here figured. The celluloid film is placed on the elastic bed, the handle pressed down, and the film is then firmly stretched for development.

**PRICES.**

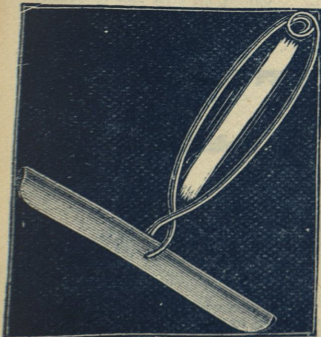
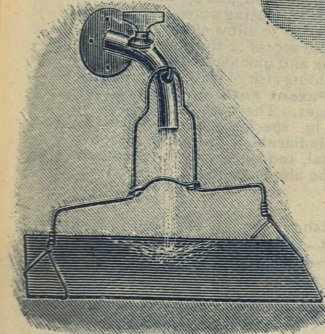
$\frac{1}{4}$ -plate	...	...	...	1/-
$\frac{1}{2}$ "	...	...	...	1/6
$\frac{1}{1}$ "	...	...	...	2/-

Tylar's Registered Clip for Developing Bromide Paper.—The advent of bromide paper necessitated a similar appliance that would enable the operator to develop, &c., without staining his fingers; I therefore worked out a simple clip that would answer this purpose.

PRICES.

Per set of six $\frac{1}{4}$ -plates	...	...	...	1/6
" $\frac{1}{2}$ "	...	...	...	2/6
" $\frac{1}{1}$ "	...	...	...	3/6

These will do for Continental sizes also.



CAMERAS AND APPARATUS

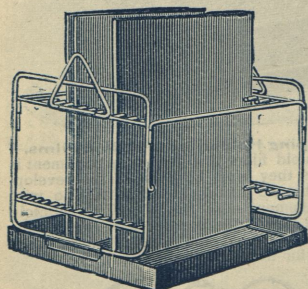
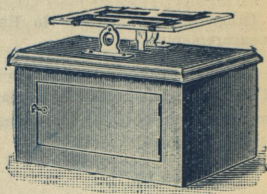


Plate-raisers to fit on the finger are often useful, especially where the above plate-lifters are not used. Price 6d. each, silver-plated.

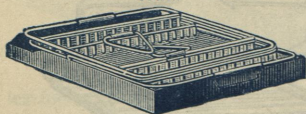
In cases of prolonged development a plate-rocking apparatus is of great use, and adds considerably to the comfort of working, especially if it is actuated by clock-work. The one here figured is **Lewis's Automatic Clock-work Rocker**, which with once winding up will steadily rock to and fro for about half an hour. It can be instantly stopped or set in action, and is undoubtedly, the best form yet issued. Thoroughly well made in polished mahogany and lacquered brass.

For $\frac{1}{2}$ plates and under 17/6

For 15 x 12 plates and under 30/-



OPEN.



CLOSED.

A means of washing and draining and drying plates is certainly needed, and for this purpose there is no better mode than using a metal rack constructed in such a manner as to allow either water or air to have full and free access to the plates. This means quicker washing and quicker and more even drying of the film, avoiding risk of stains by uneven drying, &c. **Tylar's Patent Folding Racks** have all the above advantages. They are made to hold one dozen plates in special grooves, japanned and covered with indiarubber, preventing contact of plates with metal, and consequently risk of staining or scratching the film is avoided.

English.		Continental.
$3\frac{1}{2} \times 3\frac{1}{2}$ plate...	1/6	cc.
$\frac{1}{2} \times 4$ " ...	2/0	9 x 12 plate ... 2/0
$\frac{1}{2} \times 4$ " ...	2/6	
$7\frac{1}{2} \times 5$ " ...	3/0	13 x 18 " ... 3/0
$\frac{1}{2} \times 5$ " ...	3/6	
10 x 8 " ...	4/6	18 x 24 " ... 4/6
12 x 10 " ...	5/6	
15 x 12 " ...	6/6	Any size to order.

THE RIGID RACKS

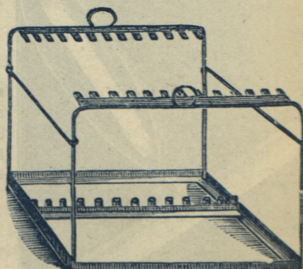
Possess all the advantages of the folding ones except portability.

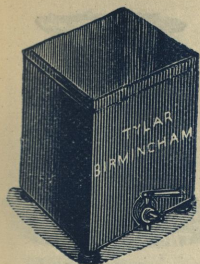
English.		Continental.
$3\frac{1}{2} \times 3\frac{1}{2}$	1/0	
$\frac{1}{2}$ plates	1/0	
5 x 4	1/6	cc.
$\frac{1}{2}$ plates	1/9	9 x 12... .. 1/6
$7\frac{1}{2} \times 5$	2/0	13 x 18 2/0
$8\frac{1}{2} \times 6\frac{1}{2}$	2/6	18 x 24 3/0
9 x 7	3/0	
10 x 8... ..	3/6	
12 x 10	4/6	

Any size to order.

Tanks to hold the Racks.

Many people use these racks in a bowl or bucket, but after all these makeshifts are only a poor substitute for a proper appliance. I therefore issued tanks to hold the above racks at such a price as to enable all to acquire them; each tank is thickly japanned, and has a brass tap to regulate outflow of the water.





English.

3 1/4 x 3 1/4	...	...	...	1/3
1/2 plates	...	...	...	1/3
5 x 4	...	...	...	1/6
1/2 plates	...	...	...	1/9
7 1/2 x 5	...	...	...	2/0
1/1	...	...	...	2/6
10 x 8	...	...	...	3/6
12 x 10	...	...	...	4/3

Continental.

cc.	...	...	...	1/6
9 x 12	...	...	...	2/0
13 x 18	...	...	...	3/6

Other sizes to order.

Another form of plate-washing apparatus, which is very effective and entirely automatic, is **Tylar's Automatic Aqua-poise 1 Washer**. This holds six plates, and there is nothing that can get out of order. All that is needed is to place the plates in the rack, the rack in the washer, the whole under the tap, which may run either slow or fast, and the vessel fills and empties itself as long as the tap continues running, thoroughly washing the plates and needing no attention. Another advantage is that the same washer will answer for prints as well by using a *print cradle* in place of the plate rack. There is no fear of plates scratching or the prints tearing.

English.

3 1/4 x 3 1/4 plates, each	2/6
1/2 "	3/-
5 x 4 "	4/6
1/2 "	6/-

Continental sizes.

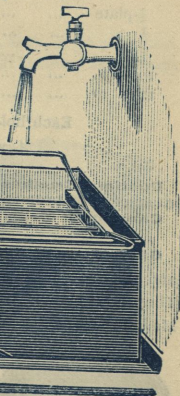
cc.	
9 x 12, each	3/6
18 x 13, "	5/-
18 x 24, "	7/-

FIT THESE CRADLES TO FIT THESE WASHERS.

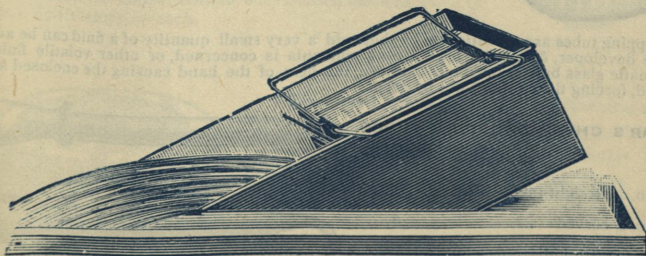
1/2 plates, -/10	1/2 plates 1/3
1/2 plates, 2/-	

Foreign sizes.

cc.	
9 x 12, 1/-	13 x 18, 1/6
cc.	
18 x 24, 2/6	



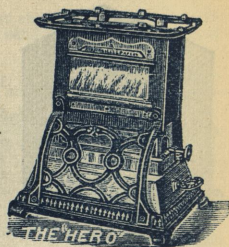
FILLING.



DISCHARGING

Tylar's Specialities as above can be obtained of all respectable Dealers.

Varnishing Stove.—The negative is now washed and ready for varnishing, for which purpose the stove figured here will be found of great use if a varnish is used requiring heat, as most of the best kinds do. Price of these stoves are only 7/6.



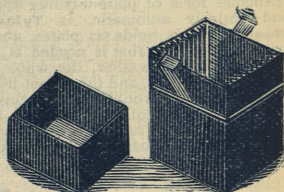
Tylar's Light-tight Metal Plate Boxes.—It is handier to keep your unexposed plates in a metal grooved box than it is to unwrap the original package every time a plate is required, not only that damp has less chance of getting at them and spoiling them, while all chance of dust flying from the wrapping paper is avoided. Why they should have always been sent out black is a mystery to me, as in the dark-room you want to see the location of a thing at once, and not trust to the sense of feeling to find it. My plate boxes are japanned in light colours, so as to be readily seen.

PRICES.

English.			Continental.		
$\frac{1}{4}$ -plate	...	...	1/6	9 X 12	... 1/9
$\frac{1}{2}$ "	...	...	2/6	13 X 18	... 3/
$\frac{1}{1}$ "	...	...	4/-	18 X 24	... 4/6
10 X 8	...	...	5/-		
12 X 10	...	...	6/6		

Each holding twelve plates.

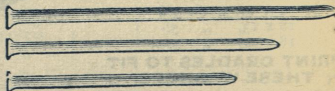
Any size to order.



Dusting Brushes should be always used. I send out a special one, having an attached case, protecting hair from dust when not in use, price 1/- each.

Camelhair Mops, for washing films, 1/- each.

Glass Stirring Rods are handy things, and far more cleanly to use than the finger. They are simple things, but very useful. Made in three sizes, 2d., 3d., and 4d. each.



For handling dry chemicals **Ebonite Scoops** are especially suitable, being light, durable, and cheap. Price 1/- each

Dropping tubes are essential, as by their aid a very small quantity of a fluid can be added to the developer, &c., but where strong ammonia is concerned, or other volatile fluids, a pneumatic glass bulb is far the best to use, the heat of the hand causing the enclosed air to expand, forcing the contents out by drops.

TYLAR'S CHEAP DROPPING TUBES.

No. 1, straight tube ... 3d.

No. 2, curved ... 4d.

With indiarubber bulbs.



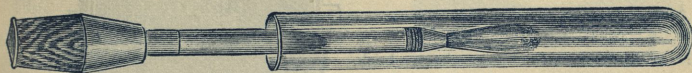
No. 1.



No. 2.

**Pneumatic Bulbs**, gd. each.

In many operations, such as reduction or intensification locally, a camel-hair brush is useful, but in these operations it is especially essential that the brush always be kept for its one purpose, or stains will ensue. **Tylar's Brush Tubes** consist of a glass tube to hold the

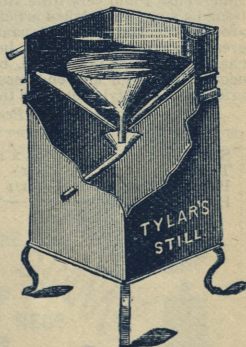


fluid, and an indiarubber cork with the brush firmly attached to it, 4d. each, or 3/6 per dozen. To those who use *Judson's Photo Tints* for tinting silver prints they will be found exceedingly useful to keep the diluted solution in.

Judson's Photo Tints, in twelve bottles of concentrated solutions, with palettes complete at 5/- These tints are so simple to use, and the results so beautiful, that it is a marvel they are not more used. It requires very little skill to use them, as they do not need shading, but simply laying on in washes, the half-tones of the photograph itself making the shadows.

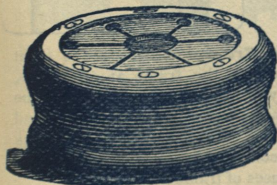
Tylar's Portable Still.—Pure water is a necessity, and as many people are in places where pure water cannot be bought, a still is necessary to enable them to make it. This still condenses double the amount of water in the same space of time as those of the ordinary pattern stills, as they have a double condensation surface.

Well made, with copper bottom, 6/6. Bunsen burners, 2/- each. Spirit lamps, 1/- each.



Where small bottles are used on the operating table it is advisable to prevent all risk of an upset. **Tylar's Safety Bottle Holder** effectually prevents this. Nicely made in ebonised wood, indiarubber, and brass.

No. 1 ...	...	4 oz. to 6 oz.	...	2/- each.
No. 2 ...	...	8 oz. to 10 oz.	...	3/-



TYLAR'S SPECIALITIES IN PHOTO-PRINTING REQUISITES.

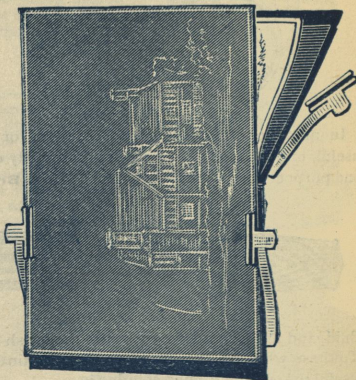
A printing frame is a necessity, and the one here figured is the invention of Major Durnford. It is designed to pack up in as small space as possible, and is the best a traveller can use.

PRICES OF

Durnford's Printing Frames.

plate	...	...	...	10/-	per doz.
$\frac{1}{2}$	"	...	...	15/-	"
$\frac{1}{1}$	"	...	...	24/-	"

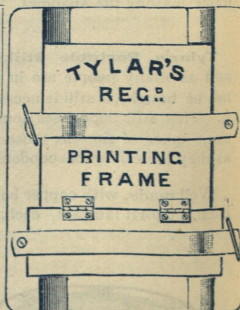
To use these the side-clips are thrown back, the paper placed down on the cloth-pad sensitive surface uppermost, the negative laid on the paper, and the side-clips replaced.



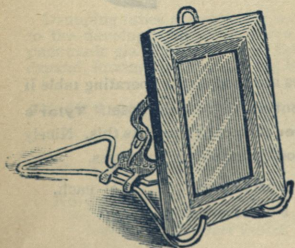
Tylar's Perfect Printing Frames.—The constant wear and tear of frames necessitates a properly-made frame either in teak or pitch pine. From specimens of those in general use I find very little attention has been bestowed upon them, and I have therefore issued a superior-finished article in every respect, as shown by block. The improvements are—1st, central pressure, causing print to be in perfect contact with negative. 2nd, the greater portion of print can be examined by raising one flap only, yet giving no possible chance of shifting print. 3rd, bed rebates are made level true, thus avoiding cracking of negative through uneven pressure. These advantages will compensate the difference of price from old style, let alone the increased pleasure of working such frame.

Prices of Tylar's Perfect Printing Frames. Best make round cornered.

Size	...	...	$\frac{1}{2}$	5 x 4	$\frac{1}{2}$	$\frac{1}{1}$	10 x 8	12 x 10
Teak	...	...	-9	1/-	1/6	2/9	3/9	4/9
Polished Pine	...	...	-10½	1/1	1/8	3/-	4/-	5/-
Horizontal for Landscapes	...	Each 2d.			4d.		6d.	extra



'WE THINK HIGHLY OF IT.'—So says the ILFORD DRY PLATE Co., in regard to this printing frame.

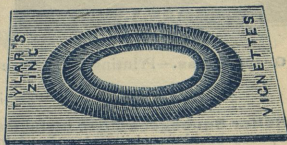


Tylar's Printing Frame Rests are a great convenience. You can tilt the frame at any angle, and it remains firmly in the position placed. The size issued suits all frames from $\frac{1}{2}$ plate to 12 x 10, and is strongly made. Cost is 1s. 6d. each. On wet days it effectually prevents contact with the wet floor, one of the most fruitful causes of frames warping.

Very pretty effects are obtained by vignetting photographs, but most of the appliances made for vignetting are of little use. A vignetting mask should give a gradual gradation of tone from white to dark. Tylar's perfect **Zinc Vignettors** do this, as they are pierced in such a way as to secure perfect gradation of shading without the necessity of using tissue paper to cover the opening during printing. Avoid imitations of these goods. *Every one of my make has my name and address legibly stamped upon it.*

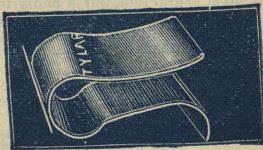
Boxes of 6 $\frac{1}{2}$ plates, all different size openings, pear shape	3/-
Ditto 3 $\frac{1}{4}$ ditto oval	1/6
Ditto 3 $\frac{1}{2}$ ditto pear	2/6
Ditto 3 $\frac{3}{4}$ ditto oval	2/6

The oval ones are specially suitable for landscape work.



For years operators contented themselves by using either tin tacks or gummed paper for fastening vignetting shapes to the printing frames. This was open to the objection that the vignette could not be moved during printing. By using the **Vignette Clips** you can move the vignetting shape during printing, getting softer pictures and saving your printing frames from damage.

Price 9d. per box of 12 silver plated.



Instead of vignettes, fancy masks can be used, as these can be used in conjunction with vignetted prints by double printing. I, this season, offer packets of artistic designs for this purpose, such as *scallop shells, ivy leaves, fancy shields, &c.* These are packed up in 1/- packets, in 1/4, 1/2, or 1/1 plate sizes, and will be sold as Tylar's Art Mats and Blanks for Photographers. There are two series, each series having a different selection of designs. For the production of birthday cards, Christmas cards and valentines they will be found a novel and useful adjunct.



Translucent paper for softening prints.—When printing strong sunlight it is advisable to use this material, which, while only slightly impeding, gives a diffusion over the negative that considerably softens and improves the finished picture.

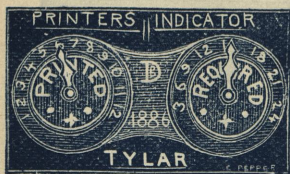
Boxes of 100 $\frac{1}{4}$ plate, 6d. ... 100 $\frac{1}{2}$ plate, 9d. ... 100 $\frac{3}{4}$ plate, 1/-

Finished silver prints are best dried quickly between **chemically pure blotting books** free from fluff. **Wheeler's Blotting Books** cannot be surpassed for this purpose.

$\frac{1}{4}$ plate ... $\frac{1}{2}$ plate ... $\frac{3}{4}$ plate ... 10 x 8 ... 12 x 10
Prices 4d. ... 6d. ... 9d. ... 1/- ... 2/- each.

Tylar's Specialties

above can be obtained of all respectable Dealers.



In taking off given quantities of prints, **Printers' Indicators** are useful, and as the cost of these is only 8d. per dozen, no one need be without them. They can be attached to any printing frame by two small screws. For *professionals* they are simply invaluable.

Green Glass.—Printing under green glass gives greater brilliancy to your prints.

Prices: $\frac{1}{4}$ -plate, 2/-; $\frac{1}{2}$ -plate, 5/-; $\frac{3}{4}$ -plate, 9/- per dozen.

Roller Squeegees are so useful that one at least is a necessity; they serve for many purposes besides printing manipulations. My squeegees are slightly higher in price than others, but I prefer not to sacrifice quality for the sake of a few coppers. A good squeegee is a most useful tool, but a badly made one is worse than useless. Sound bearings and good soft rubber are essential. My squeegees are so made that no matter what pressure is used the bearings will not spring from the roll. To ensure buyers getting my make, I shall in future stamp my name on the handle of all squeegees of my make as a guarantee of quality.

Tylar's Roller Squeegees.

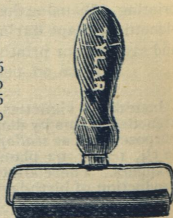
No. 1.		
3 inch ...	1/0	7 inch... ... 2/4
4 " ...	1/4	8 " 2/8
5 " ...	1/8	9 " 3/0
6 " ...	2/0	10 " 3/4

Tylar's Solid Rubber Roller Squeegee.

No. 2.		
3 inch ...	1/6	7 inch ... 3/6
4 " ...	2/0	8 " ... 4/0
5 " ...	2/6	9 " ... 4/6
6 " ...	3/0	10 " ... 5/0

Any size made to order.

The No. 2 Squeegee has a solid indiarubber roller, and though the price looks a big one, they are really much the cheapest in the long run, as their greater pliability accomplishes the work in less time, and there is a wonderful amount of wear in them.



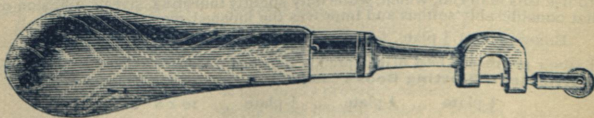
Many people prefer prints highly glazed. This glaze can be obtained by squeegeeing the print to and allowing it to dry on **Tylar's Compressed Pulp Slabs**, which are specially prepared for squeegeeing *Aristotype*, *Celerotype*, *Bromide*, and other prints upon. It supersedes any other material for this purpose. It takes a high polish. The surface is extremely hard, so it is not liable to scratches. It is always ready for use, requiring no preparation, and does not warp.

Sheets 8 x 5 1/-	Sheets 12 x 10
" 10 x 8 1/6	" 16 x 14

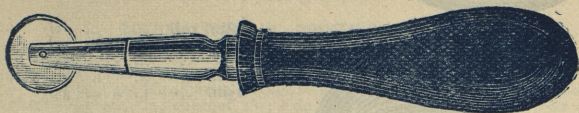
Any sizes quoted for.

Before mounting your prints they must be trimmed, and to do this cleanly and effectually print trimmers have been introduced, that is, a revolving cutting wheel in a handle, hat by passing over either wet or dry prints will cut them with a clean edge.

The Swivel Cutter is especially useful in cutting ovals, &c. Nickel-plated parts, in mahogany handles.



PRICES of	Tylar's Print Cutter , straight pattern	...	...	...	1/6
"	"	"	"	swivel pattern	2/-



Cutting Glasses are guides or getting your prints all to one exact size. To save the necessity of having glasses for each sized print, I issued a universal cutting glass, as here shown, so that any size between carte-de-visite and $\frac{1}{2}$ can be readily cut.



The price of Tylar's registered cutting glass is 2/6.

Still many prefer the old form, and so I have arranged a series of sets for the different sized prints as below.

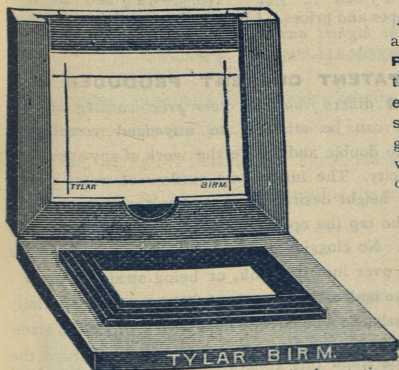
Why plate glass should always be used for these shapes has always been a mystery to me, as it takes up more room and is more costly than other glass. Each set has an automatic sucker handle, which can be attached to any cutting shape for the purpose of holding it firmly to the prints to be trimmed. Prices of Tylar's sets of cutting shapes:—

No. 1 set.—One carte-de-visite and two $\frac{1}{2}$ shapes 1/6

No. 2 set.—One cabinet and two $\frac{1}{2}$ shapes 2/-

No. 3 set.—Three $\frac{1}{2}$ shapes of graduated sizes 3/6

With automatic sucker handle in each set.



All those who cannot mount their prints with an even margin all round should get **Tylar's Print Mounting Apparatus**. It enables them to mount prints quickly and neatly, ensures accurate centring, and all risk of soiling the mount is abolished. All lovers of good work will use these, as nothing looks worse than to see prints badly mounted. One quality only, in best polished mahogany.

Carte-de-visite 3/6 each.

Cabinet 5/- "

For cards, $8\frac{1}{2} \times 6\frac{1}{2}$ 6/6 "

Ditto, do., $11 \times 9\frac{1}{2}$ 8/6 "

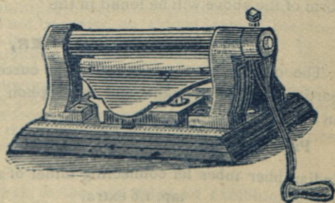
Others proportionate.

Invaluable to users of Oxford and Plate-sunk Mounts.

Any size quoted for by stating size of card you are using.

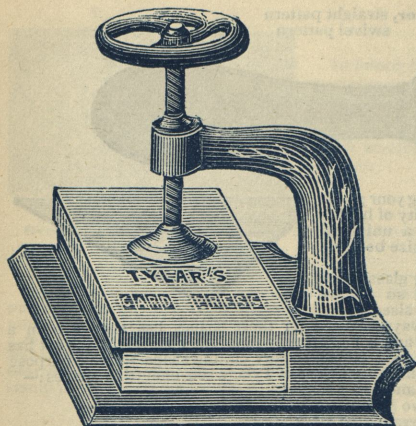
"A burnisher must be well made to be of any use."

Tylar's Burnishers, as shown in cut, consist of a case-hardened steel bar, with milled rolls, to enable cards to pass through easily, lubricators to bearings, adjustable bed carrying burnishing bar, so that different thicknesses of cards can be accommodated.



For prices see next page.

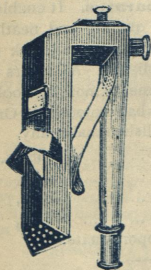
Tylar's Specialities as above can be obtained of all respectable Dealers.



E. PEPPER, ENG.

No. 1.— $4\frac{1}{4} \times 3\frac{1}{4}$ bed ... 5/6. No. 2.— $7\frac{1}{4} \times 5$ bed ... 7/6. No. 3.— 9×7 bed ... 12/6.

PRINT WASHERS are of all sizes, shapes and prices. I have paid especial attention to this necessary item, and have obtained the highest awards ever made for *print-washing apparatus in the world*



8/6 each.

It is the only print washer that has obtained two medals. To those who will take the trouble to master the action and get to understand this apparatus there is no better print washer made. For those who want no trouble except turning on the tap then a modified form of the above will be found in the

WHIRLPOOL WASHER,

The only difference being that the current-producing portion is fixed to a tank, and the syphon is replaced by an overflow pipe.

Price of Tylar' Whirlpool Washer ... 8/6.

Indiarubber tubes for connecting either of above to the tap, 1/6 extra.

BURNISHERS.

Roll and Bar
nickel-plated
extra.

5 $\frac{1}{2}$ in. roll	...	...	8/-	...	2/-
6 $\frac{1}{2}$ in. "	...	...	11/-	...	2/6
9in. "	...	...	14/6	...	3/6
11in. "	...	...	20/-	...	5/-
15in. "	...	...	35/-	...	1/6

Each with lamp complete. Larger sizes to order.

It is best to use **Tylar's Clamps** for holding burnishers firmly on the table, as it does away with any necessity for screwing down. 1/- each.

TYLAR'S CARD PRESS.

A press of this kind is useful, as it effectually flattens your mounted prints, and will be found useful for many other purposes.

TYLAR'S PATENT CURRENT PRODUCER AND DISCHARGER

differs from any other print-washing apparatus extant. It can be attached to any-sized vessel, and therefore will do double and treble the work of any apparatus limited in capacity. The inflow and outflow of water can be adjusted to any height desired in the vessels, and kept there. By turning on the tap the operators can see their prints sailing round eternally. No clogging, to tearing, leaving them without fear of washing over into the sink, or being stranded upon dry bottom, as the tank cannot run dry. The above are specially suitable to professionals who have to deal with prints of all sizes



Tylar's Specialities as above can be obtained of all respectable Dealers.

Tylar's Sets of Compressed Pulp Trays for Prints, consist of Two Trays, labelled Toning, Fixing.

$\frac{1}{2}$ for $\frac{1}{4}$ Prints, 2/6; $\frac{1}{4}$ for $\frac{1}{8}$, 4/-; 10 x 8 for 1, 6/-

SPECIALITIES IN PRINTING PAPER.

Hardcastle's Direct Print-out Platinum Paper.—The beautiful and permanent results obtained by the use of this paper are now appreciated; if you want *case in working* and *reliability of results*, get Hardcastle's *English-made* Platinum paper. In packets of one dozen cut sheets— $\frac{1}{4}$ plate, 1/2; cabinet, 1/6; $\frac{1}{2}$ do., 2/-; $\frac{1}{4}$ plate, 3/6. See also page 42.

Subject to fluctuations in the market price of Platinum.

Sepiatype Paper.—This we recommend for its simplicity and wonderful effect. The process of printing gives very little trouble, and the only apparatus necessary consists of a printing frame for the required size and a small quantity of hyposulphite of soda. No toning whatever is required; the prints are of warm sepia colour.

Price of one dozen cut sheets $\frac{1}{4}$, 7d.; $\frac{1}{2}$, 1/3; $\frac{1}{4}$ -plate, 2/6, &c.

Kallitype Paper gives matt surface prints of a beautiful black tone, preserving all the half-tones in a wonderful manner. Prices are also cheaper than ordinary printing papers giving matt surfaces. Packets of two dozen sheets, $\frac{1}{4}$ -plate, 9d.; 5 x 4, 1/-; $\frac{1}{2}$ -plate, 1/6; $7\frac{1}{2}$ x 5, 2/-; $\frac{1}{4}$, 2/6; 10 x 8, 3/6. In sheets 26 x 20—price 3 sheets, 2/6; 6, 4/9; 12, 9/-; 24, 18/-

Developing salts sufficient for 10 ounces, 1/3, mixed from the purest chemicals. Those who prefer mixing their own can do so, as full directions are given. The citrate of soda must be especially pure; it is best, therefore, to get this direct from us, 4 oz. packet, 1/.

All who have not yet tried this beautiful process should purchase the half-plate sample set, consisting of 24 pieces $\frac{1}{4}$ -plate Kallitype paper, a packet developing salts, to make 10 oz. solution, $\frac{1}{4}$ lb. citrate of soda, and half-dozen rubber pads, 5/- post free.

TYLAR'S PRINT-HANGERS.

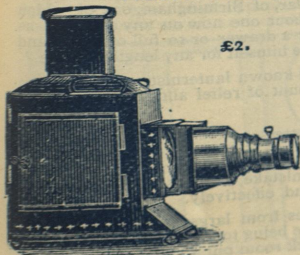
Many prints, especially those having gelatine surfaces, cannot be dried between blotting paper. Therefore, an arrangement for hanging over a rod or line is desirable. These Hangers, as figured, hold the print firmly, with no risk of damaging the print.

Price, 1/6 dozen.



TYLAR'S SPECIALITIES FOR LANTERN-SLIDE MAKERS.

£2.



The production of lantern slides is so easy a matter, the results so charming, and the cost of showing them so small, that it is no wonder it has become so popular for amateurs to make their own lantern slides. The means for exhibiting these beautiful productions to your friends need not be costly, an optical lantern, burning oil as shown in the cut, *being sufficient*, not only for a private exhibition, but for a large-sized room. This lantern I make specially to meet the requirements of the photographer. It is strong, has a powerful 3-wick lamp, 4in. achromatic condenser, and a portrait combination front, giving brilliant pictures. Each is complete in travelling case, with leather handle. Price £2 *There is no better value in the market.*

A Washable Lantern Screen, of pliable cloth, is the best thing for exhibiting upon. These are 8ft. x 8ft., mounted on roller top and bottom. Price 15/- each.

Tylar's Specialities as above can be obtained of all respectable Dealers.

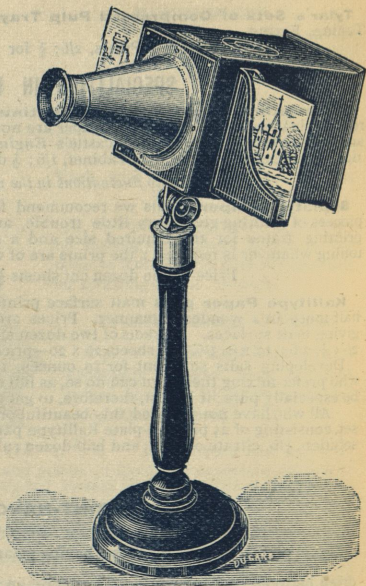
TYLAR'S LANTERNSCOPE (Registered).

Those who do not wish to be troubled with a lantern, or to *only use their lantern occasionally*, need not forego the pleasure of exhibiting their slides to their friends, as by the aid of my latest invention, the **Lanternscope**, the power of doing this in the most effective manner, without the necessity of lighting up the lantern, is provided. The slides are passed in rotation through the passage provided, which is so arranged that while one slide is in view the one examined can be removed, and another is ready to follow up and take its place.

The effects are charming, many views being rendered with nearly stereoscopic effect. Instead of burying your lantern slides for months at a time, bring them out and amuse your friends as opportunity offers.

It needs no preparation, but is always ready for use, simply requiring a lamp or gas light, preferably on the table, to illuminate the instrument. The instrument is so arranged that it can be inclined at any angle to suit the convenience of the operator and the source of light. The light passing through the slide is beautifully soft and diffused.

For *exhibitions and bazaars* it is a source of great attraction and coppers, so that by possessing one of these you will be able to help on any good cause that presents itself.



- No. 1. Papier maché body, beautifully hand painted, with floral and other designs, on turned wood stand, with nickel-plated fittings £1 each.
 No. 2. Best quality, solid mahogany body, on turned mahogany stand, with nickel-plated fittings, &c. 25s. "

The above are beautifully made, and fit for a drawing room. If lacquered brass fronts and fittings are preferred, they can be had at the same prices.

The following paragraph is copied from a paper by A. R. Dresser, Esq., the eminent authority on lantern-slide matters. It will show what he thinks of the instrument.

"One good way is to buy a Lanternscope, sold by Tylar, of Birmingham, one of which I have, and find it of great value, and I would not be without one now on any account, as when any friend comes to see me I have only to pull out a drawer or so full of slides and give them to him with my Lanternscope and he can amuse himself for any length of time."

Surgeon-General Ranking, of Leamington, another well-known lanternist, says:—"I am very pleased with Lanternscope; it gives slides an amount of relief almost approaching stereoscopic."

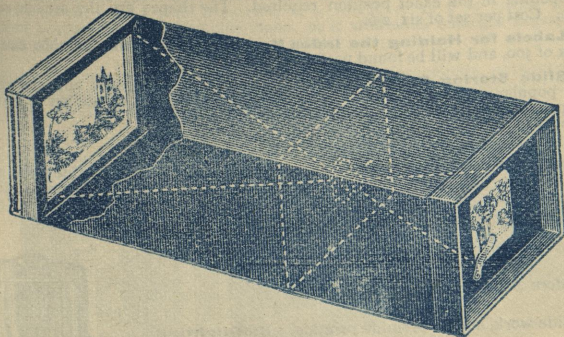
If space permitted I could reproduce dozens of similar letters.

Lantern Slide Camera.—Some people have the idea that a small camera can only be used in the production of lantern slides. This is a great mistake, as by using the **Lantern Slide Camera** any size plate can be reduced easily and effectively.

This camera is *always ready* for producing lantern slides from larger plates without the necessity of focussing; all that is required to expose a plate being to insert a negative in the grooves at one end (film towards the lens), and in the dark room put a lantern plate in the carrier provided for it at the other end, the caps effectually excluding all light except that passing through the lens. No dark slide or lens cap is required.

Tylar's Specialities as above can be obtained of all respectable Dealers

When the negative and plate are in position the camera is carried out and pointed to the light, the exposure being one or two minutes according to the circumstances. The camera is then carried back to the dark room, and lantern plate taken out and developed.



When exposing to gaslight, or even to obstructed daylight, it is best to do so through ground glass, and the outer pair of grooves are provided for inserting the ground glass.

If the negative should fit too loosely in the grooves, a small wooden wedge is a simple and effective way of preventing it shifting while handling the camera.

It is most usual to produce a square picture upon the lantern plate, which the above camera does, of course by leaving out a bit of the length of the negative; but there is now a growing desire to take in the *whole* of the negative upon the lantern plate, thus preserving the complete composition, and so these cameras are also made in the "OBLONG" form.

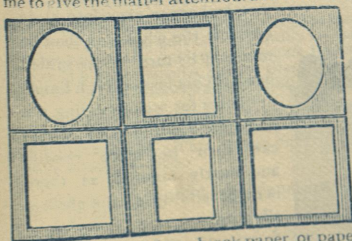
PRICES (complete with lens).

						$\frac{1}{2}$ plate.		1 plate.
Square form ...	...	...	...	...	...	12/6	...	15/-
Oblong ...	...	...	...	...	...	14/6	...	17/6

An Adjustable Camera taking any size plate up to $12 \times 10, 25/6$. This requires setting and focussing for every picture. This includes one dark slide.

To prevent the necessity of carrying the camera to the dark room for every exposure, I supply these cameras fitted up with dark slides. Cost extra with one slide, 4/6; three slides, 9/6; six slides, 17/-.

In finishing lantern slides a **good pliable paper for binding** is a necessity, as it greatly facilitates work. Many binding papers that are issued are totally unfit for the purpose; this induced me to give the matter attention, and I have produced a binder that gives general satisfaction, and can be easily applied, adhering perfectly to the glass. The cost of these is the same as other makes, viz. 100 strips, in box, for 1s., or 50, in box, 6d. The lantern slide mat is also a subject that needs consideration if the most artistic effect is to be produced. It is often desirable to hide a portion of the picture, as a better general effect is produced by cutting off than by showing the whole of the plate. **The Artistic Series**, as here shown, are such as the Rev. C. F. Lambert, the well-known prize taker, recommends, and the dies have been prepared according to his designs. Boxes of 100, selected, 1s. Besides these shapes, the ordinary round dome, oval, and cushion shapes can be supplied at 1s.



per 100 stamped from black paper, or paper black one side and white the other. Many people do not need so many mats and binders, so, for their benefit, a box containing 50 binders and 50 assorted mats, for 1s., is issued.

Tylar's Specialities as above can be obtained of all respectable Dealers.

A stamped paper mat is all very well where the objects required are exactly central on the plate; but it often happens that the required portion is out of the centre, and it is requisite to cut a special mat. To enable you to do this readily, **Tylar's Metal Cutting Shapes** for lantern slide mats are handy, and anyone can, by using a penknife, produce mats having the opening in the exact position required. The shapes are the artistic series, as shown above. Cost per set of six, 2/6.

Circular Labels for Holding the Index Number, gummed on one side, can be had at 6d. per box of 300, and will be found useful.

Lantern Slide Storing Boxes, without grooves, are less costly, and are gradually getting more popular. The slides take up less space, the bindings do not get so soon worn out, and the price is much less, each box holding 50 slides.

Pine black, no division, 1/-; or with one central division ... 1/3

Teak, varnished, central division, lined with swansdown ... 2/3

Lantern Slide Paints enable the producer to tint his own lantern slides, the colours being especially prepared in liquid form, and transparent, so as they hide no detail. Not only are these colours useful for lantern slides, but for decorating windows, plaques, &c.

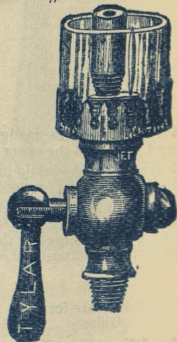
No. 1 size, 2/6, including six tubes of colours, mixing pots, brushes, &c.

No. 2 " 5/-, " twelve " " " "

Lantern Slide Vignetting Shapes, page 33.

In lantern slide work, and for bromide printing, a **Self-lighting Gas Jet** is a necessity; in fact, every dark room should be fitted with one of these to be perfect. The light can either be turned *full on*, or lowered right down at will, without the possibility of its being turned right out. This is a great comfort, as, where sensitive plates are about, it is desirable not to light matches for fear of fogging. Can be attached to any ordinary gas-fitting.

Price 3/- each



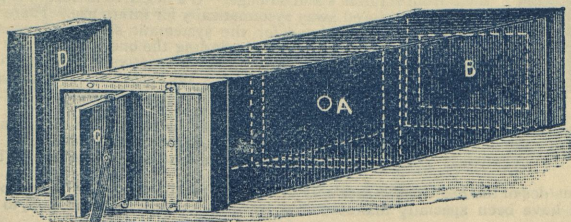
Tylar's Revolving Vice for facilitating the troublesome operation of **binding lantern slides**. The rubber cheeks of this machine presses the slide, mat, and cover glass into close contact; the whole can then be revolved by turning the milled head. This leaves both hands at liberty for manipulating the gummed binding slip, which can then be more readily and neatly applied, as there is no possibility of the glasses slipping.

Price 5/-

SPECIALITIES IN ENLARGING APPARATUS.

The Fixed Enlargement Camera enables you in a most simple manner to make $\frac{1}{2}$, $\frac{1}{4}$, or 10 x 8 prints, from $\frac{1}{4}$ plate negatives, or $\frac{1}{4}$, 10 x 8, or 12 x 10 prints, from $\frac{1}{2}$ plate, and without necessarily using Bromide Paper, as it will make enlarged negatives with the same ease and certainty with which it makes prints.

There is just the same charm about making these enlargements, without any preparation of fixing, focussing, &c. (combined with certainty of results and saving of wasters), that there is about making lantern slides by the reducing Camera.



Prices to enlarge: $\frac{1}{4}$ to $\frac{1}{2}$, 16/-; $\frac{1}{4}$, 19/-; 10 x 8, 22/6; $\frac{1}{2}$ to $\frac{1}{4}$, 19/-; 10 x 8, 22/6; 12 x 10, 26/-.

In connection with this, **Wheeler's Bromide Printing Register** should be used. It is a book for recording particulars of exposure and development of Bromide Pictures, so that extra prints may be made at any future time without using test slips, and enabling the operator to gain a perfect knowledge of the light, developer, and paper in use. "How to print bromide pictures," "How to print clouds," and Formulæ are included; cloth, 1s.

Retouching Pencils, for working bromide enlargements, are a necessity, and are issued in three grades of black and three of white. Cost is 6d. each. The pencil marks match the tones of a bromide print exactly. Or can be had in a neat case with fastener, containing four assorted grades, 2s. each.

NOVELTIES IN PREPARATION, ready for the 1891 Season.

Patent Celluloid Film Vignettes.—These vignetting shapes are produced by a patented process, and are admirably suited for their intended purpose, giving soft and even gradation, and a variety of shapes impossible with other materials. As I am convinced there is a great future before these, I have acquired the sole right of introducing these articles to the photographic public.

Vignetting Lantern Slides is rendered easy and possible by using the above films, and the series prepared for this purpose will be found to produce really beautiful effects on the lantern sheet. This is the first step made in this particular direction, and it should prove a popular one.

Prices of celluloid film vignetting shapes: Sets of 6, $3\frac{1}{4}$ x $3\frac{1}{4}$ 1/6; $\frac{1}{2}$ plate, 1/6; $\frac{1}{4}$ plate, 2/6; $\frac{1}{4}$ plate, 4/-

Photographic Scraps, full of interesting and useful matter, is published monthly, and can be obtained of all dealers free, or by post for twelve half-penny stamps per annum.

TYLAR'S SPECIALITIES FOR INDOOR PHOTOGRAPHY AND GENERAL SUNDRIES

TYLAR'S UNIQUE NEGATIVE STORER,

Each holding 12 plates.

PRICES :—

1-plates	...	...	...	...	...	...	...	...	...	10/- dozen.
1/2 "	...	...	...	...	...	...	...	...	...	16/- "
1 "	...	...	...	...	...	...	...	...	...	24/- "

Larger or smaller sizes to order only, also Continental sizes.

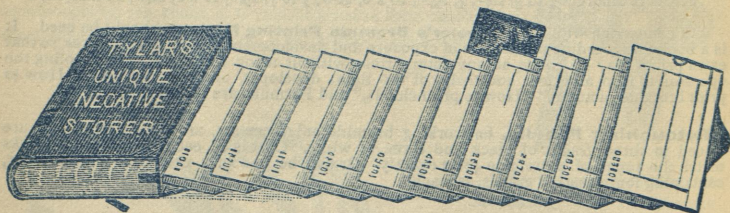
It is surprising to me that people should go to the expense and trouble in getting negatives, and yet in many cases, take no pains to preserve them from scratches and damage. If a negative is worth keeping at all, it should be stored away systematically for future use. There have been several plans formulated for the systematic storage of negatives, yet there frequently is a difficulty in finding the one wanted. My method is to give ease, either in putting away a negative or finding one, without loss of time. As the wood-cut shows, my cases take the form of books so that they can be stored on a bookshelf, looking like a library—and labelled or lettered according to taste of operator.

To find required negative, the fastener is loosed, and by pulling the projecting tag, the whole dozen glide out, as shown in illustration below: the number and title being upon each envelope, the negative is readily taken out free from dust and scratches. What can be simpler?

The insides of the *unbreakable envelopes* are quite smooth, to prevent injury to the negatives, and have been specially manufactured by Messrs. Waterlow and Son, to meet my requirements.

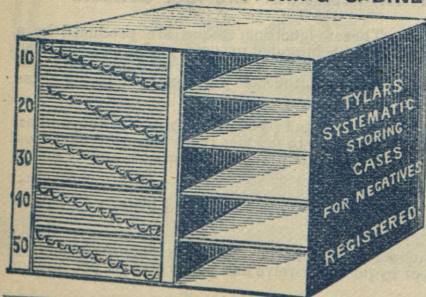
The outsides are printed to make it easy to add desirable information as to exposure, index, etc.

You can find any desired negative in one minute in a collection of hundreds.



For those who object to the book form, I carry out the same idea in connection with Cabinets as here figured.

TYLAR'S STORING CABINET FOR NEGATIVES.



Made to hold 100 Negatives, either in the Envelopes shown or any other make.

No. 1 QUALITY.

Well made in wood covered with imitation morocco, folding doors, etc. Well finished.

To hold 100 $\frac{1}{2}$ plates	.....	4/6
" 100 "	.....	6/-
" 50 "	.....	5/-

No. 2 QUALITY.

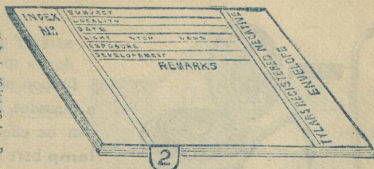
Well made in pine, stained, without doors.

To hold 100 $\frac{1}{2}$ plates	.....	3/-
" 100 "	.....	4/6
" 100 "	.....	6/6

Tylar's Specialities as above can be obtained of all respectable Dealers.

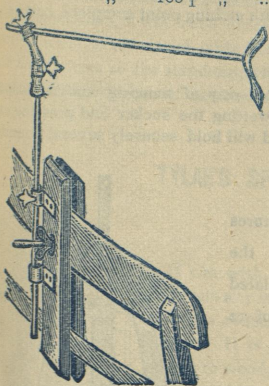
TYLAR'S NEGATIVE ENVELOPES

Are very strong, with specially smooth surface inside, and manufactured expressly for me by Messrs. Waterlow & Sons, of their **indestructible** paper. The Envelopes are printed in such a way that a history of each negative can be attached, while notes can be added as to required exposure for lantern slides, contact prints, enlargements, etc.



The novel arrangement of the tag to hold the index number allows of easy selection and withdrawal of any given negative; each ten tags running diagonally when stored on the shelves, and not overlapping each other.

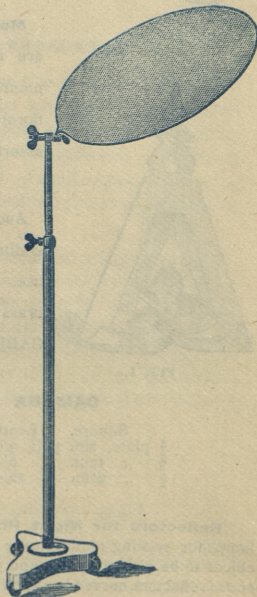
Prices per 100 $\frac{1}{2}$ plates	...	...	...	...	...	...	...	...	...	2/6
" 100 $\frac{1}{4}$ "	...	...	...	...	...	...	...	...	...	3/9
" 100 $\frac{1}{8}$ "	...	...	...	...	...	...	...	...	...	5/6



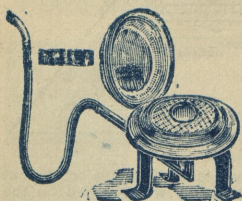
Head-rests are useful for those who attempt portraiture as very few people can hold the head steady enough without a slight support. The one shown here is all that is necessary. It can be attached temporarily to an ordinary chain back.

PRICES OF**Tylar's Portable Head-rest.**

Lacquered brass	...	...	...	...	5/6 each.
Nickel-plated ...	...	...	...	...	8/6 "

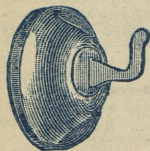
**FOR SECURING SOFT SHADOWS IN PORTRAITS.**

To secure softness, roundness, and delicacy of shading, a **head-screen** is most useful. It is so constructed as to be adjustable for sitting or standing figures. It is on a fire stand, with runners to facilitate easy moving. All professionals use an appliance of this kind, as they know the immense aid it is to successful portraiture. All amateurs who wish to take their friends in the best manner possible should procure one, especially those who have to use the open air for their studio. The price is 25/- each. Every part is most substantially made, and of best finish.



Indoor photography at night by magnesium light is a pleasant variation, and affords much amusement. It can be effectually accomplished by the cheap form of lamp here shown at 1/6.

Etching Plates are especially suitable for those who can use their pencils, as by drawing on these prepared plates with a needle point, a negative is produced from which prints can be taken in the ordinary manner. A sample box, with etching point complete, costs 1/- only. Larger sizes quoted for on application.



For window transparencies no better way of hanging can be found than **Tylar's Sucker Hooks**. By wetting the sucker and pressing on the window pane it adheres firmly, and will hold securely several pounds weight. 2/6 per dozen.

Metal Stands for card pictures are handy little things for the mantelpiece or table. Nickel-plated floral patterns, 2/- per box of 12 assorted patterns. Fig. 1.

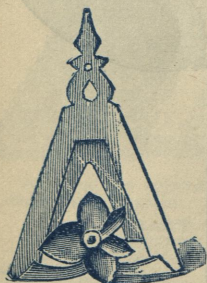


FIG. 1.

Another form has adjustable sliding rod (see fig. 2) for window use. These are made of lacquered brass for C.D.V., 3/- per dozen; or CABINET, 4/6 per dozen.

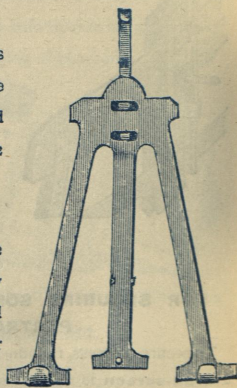


FIG. 2.

CAMERA BELLOWS. Best material only used.

	Square.	Leather.	Cloth.		Conical.	Leather.	Cloth.
$\frac{1}{2}$	plate, 8in.	pull, 3/6	... 2/9	$\frac{1}{2}$	plate, 6 $\frac{1}{2}$ in.	pull, 4/-	... 3/-
$\frac{3}{4}$	" 12in.	" 6/-	... 4/6	$\frac{3}{4}$	" 14in.	" 10/-	... 6/6
1	" 21in.	" 12/-	... 7/6	1	" 19in.	" 13/-	... 7/9

Any size quoted for.

Reflectors for Night Photography.—For copying purposes or utilising paraffin lamps for evening photography reflectors are needed, so as to condense all the light on the object to be photographed, and yet prevent any stray light getting to the lens. Prices of plated reflectors, curved to the proper angle and strongly made, 5/- each on adjustable sliding stands.

Tylar's Specialities as above can be obtained of all respectable Dealers.

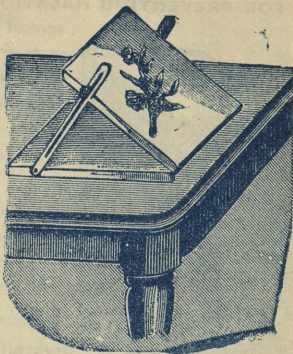
In photographing many objects a **Tilting Table** is a necessity. Two of these are needed, one to attach to the stand top to hold the camera, and the other to stand on the table to hold the object to be photographed.

PRICES OF

Tylar's Tilting Table,	10 x 8	...	...	4/-
"	12 x 10	...	...	5/-
"	12 x 15	...	...	6/-

Any other sizes quoted for.

As different classes of objects may need a larger table than others, I will send quotations on receiving particulars as to the size of table needed. A small one will do to attach to the stand top, while a larger one is needed for the reception of the object to be photographed.



TYLAR'S SPECIALITIES IN CHEMICALS.

FOR RENOVATING APPARATUS.

If you wish to secure the best results it is as well to occasionally renovate any surfaces of the camera that have become worn, and are likely to reflect any light, for this purpose my *dead black* is unsurpassed. It is always ready for use, has no sediment, and adheres firmly to wood, leather, paper, and metal. I need only refer you to the opinion of Mr. Archer Clarke, the well-known photographer, as to its value:—

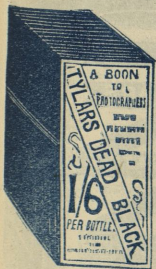
"I tried your *dead black* on inside of camera and lens tube. The clearness in shadows of negatives since using the *dead black* is something wonderful. It amounts to this: I am able to use less restrainer in development, consequently less exposure in camera. The negatives print quicker, and there is a gain all round. We all know reflected light is bad in cameras, but I wonder how many go to work and kill it. One is so accustomed to go on from day to day but for the want of the exact something (in this case a good *dead black*), and so at last it gets so bad a radical change has to be made."

The above will speak for itself.

Beware of inferior imitations. The above is a fac simile of the article.

FOR RENOVATING METAL GOODS.—Metal racks and tanks also occasionally need recoating with a durable compound capable of resisting water, **Liquid Adamant** will then be found useful. Price is 1s. 6d., with brush complete.

Tylar's Specialities as above can be obtained of all respectable Dealers.



FOR PREVENTING HALATION.—It is necessary to have a compound that can be applied to the plate, or, as to be in perfect optical contact so as to absorb any rays of light passing through the film, it must be easily applied, dry quickly, and capable of being removed before development by a damp cloth. All dry plates should be backed before using, as the resulting negatives are more brilliant. The great drawback to the use of backing for plates hitherto has been the difficulty of removing the material used. This difficulty is entirely overcome by **Tylar's Plate Backing**, which is boxed up with a **Spreader** complete for 1/6. **Roller Squeegees** also are useful for spreading this quickly over the back of the plates.



For lantern transparencies **Tylar's Crystalline Varnish** gives brilliancy and preserves your pictures.

In 1/- bottles.

FOR PRESERVING NEGATIVES.—When a good negative is obtained it is well to prevent its getting injured by protecting its surface with a varnish, and after considerable experience I am enabled to offer a varnish that can be applied to the negative with a camel-hair pencil, that will dry clear and free from any milkiness, with a perfectly even surface, and as hard as glass itself, thus doing away with the obsolete (and to the novice difficult and messy process) of varnishing by pouring on the plates. The varnish is of such a colour as tends to soften the shadows, &c., in printing, and improve the general effect. Any one can use this varnish at the first trial. **Tylar's Negative Preserver** is put up in two ounce bottles, 1/- each.



Ground Glass or Matt Varnish is useful for softening negatives during printing, or backing transparencies, giving a ground glass effect; in 1/- bottles.



FOR NAMING NEGATIVES.—It is well to write the name legibly on each negative. This can be done with an ordinary steel pen, using **Tylar's White Ink** on the gelatine side of the negative before varnishing. It is also of the greatest use in naming lantern slides, as the white writing is easily read in the partial darkness of the exhibition room. It should be applied on the mat, and protected by the cover glass. Its cost is 1/- per bottle, sufficient for naming hundreds of slides.

FOR NAMING SILVER PRINTS.

It is sometimes desirable to name silver prints. **Tylar's Print Ink** enables you to do this. It is applied with a pen to the unfixed print; the writing appears in white on the dark ground of your print.

Per bottle 1s.



Liquid Gold is useful for writing the names of photographs on card mounts. 6d. and 1/- per bottle.

FOR MAKING DARK-ROOM WINDOWS SAFE.

It is useful to have by you a bottle of **Tylar's Anti-light**. This is a non-actinic varnish that can be applied to glass, imparting to it a deep red colour, and rendering it fit for dark-room uses.

Price 1s. 6d. per bottle

FOR RETOUCHERS.

Tylar's Retoucher's Friend gives a good tooth to the negative it is applied to, enabling the pencil marks to be easily made, and retained on the film.

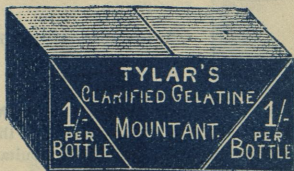
1/- per bottle.

FOR TINTING SILVER PRINTS.

Those who are of an artistic turn will find **Judson's Photo Tints** useful. These have been prepared especially for photographic use, giving brilliant effects with very little trouble. Twelve colours, fixing medium, and palettes for 5/-, including full instructions. These colours are transparent, and all the delicate details of silver prints show through them, giving the best possible effects with the least trouble.

**FOR MOUNTING PRINTS.**

A really good quality mountant is of the greatest importance, as nothing is more annoying than to find your print curling up at the corners after it has been mounted. If you have not already tried **Tylar's Clarified Gelatine Mountant**, do so. It is only 1/- per bottle. There is no cockling of prints; it adheres perfectly, and can be used by anyone.

**FOR GLAZING PRINTS.**

People who have not time for burnishing their prints will find a very fair substitute in **Tylar's Brilliantine**. This imparts a high glaze to the prints, gives breadth and brilliancy to the shadows, and preserves the print from atmospheric action.

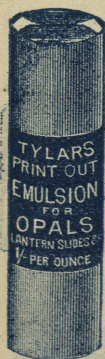
Price 1/- per jar.



CAMERAS AND APPARATUS.



READY-MIXED SOLUTIONS OF STANDARD QUALITY.



Ferrous Oxalate, 10 oz., 1/-. Always ready for use, and keeps well.

Sulpho-pyrogallol, 5 oz., 1/-. Allows great latitude in exposure, and produces brilliant negatives.

Hydroquinone, 10 oz., 1/-. Quick in action, and well liked by all.

Eikonogen, 10 oz., 1/-. The most recent discovery, giving beautiful results.

Dry Powder Developer, 1/- per box. The best possible form for tourists' use.

Hypo Eliminator, 10 oz., 1/-. Removes the hyposulphite of soda from your prints.

Aptus Intensifier, 5 oz., 1/-. In one solution.

Aptus Reducer, 1/-. Under perfect control.

TYLAR'S COMBINED TONING AND FIXING BATH saves a lot of trouble. The prints are taken straight from the printing frame, and by immersion in this bath are toned and fixed without trouble. Suitable for silver prints and Aristotype paper. 1/6 bottle.

Tylar's Print-out Emulsion is useful for producing opals or lantern slides. It is printed, toned, and fixed the same as albuminised paper, giving charming effects with little trouble. 1/- per oz., with full instructions.

Opal Plates (for use with this Emulsion).

Plain Edges.

Bevel Edges.

$\frac{1}{4}$ plate	...	...	...	1/- dozen.	$\frac{1}{4}$ plate	...	...	...	2/4 dozen.
$\frac{1}{2}$ "	...	...	...	2/3 "	$\frac{1}{2}$ "	...	...	...	5/- "
$\frac{3}{4}$ "	...	...	...	4/4 "	$\frac{3}{4}$ "	...	...	...	7/6 "

These Opal Plates are of finest quality and finish.

Tylar's Specialities as above can be obtained of all respectable Dealers.

THE BIRMINGHAM DRY COLLODION PLATE AND FILM COMPANY, LTD.,

Take this opportunity of informing the Photographic public that their premises for the production of the

“HILL NORRIS RAPID DRY COLLODION PLATE”

Are in course of construction, and that the Company expect to be in a position to supply Plates and Film during the coming season.

Particulars will be announced in due course in the Photographic Journals.

Registered Offices of the Company—

BRIDGE ST. WEST, BIRMINGHAM.

January, 1891.

THE TRADE will be duly notified by special circular through Mr. W. Tylar, 57, High St., Aston, Birmingham.

THE BEST Printing Process for Amateurs IS UNDOUBTEDLY THE PRINT-OUT PLATINUM PROCESS.

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The illustration features a large, ornate banner with the name 'W. TYLAR' in a stylized, gothic font. Below the banner, the address '57, HIGH ST ASTON.' is written in a bold, sans-serif font. At the bottom, the word 'BIRMINGHAM' is written in a large, bold, serif font. To the right of the address, a banner reads 'Specialities IN PHOTO APPARATUS'. The background is filled with intricate line art depicting various photographic equipment, including cameras, tripods, and boxes, all arranged in a decorative, symmetrical pattern.

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